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Water Resources Data
Arkansas
Water Year 1989

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-89-1
Prepared in cooperation with the Arkansas Department of
Pollution Control and Ecology; Arkansas Game and Fish
Commission; Arkansas Geological Commission; Arkansas Soil
and Water Conservation Commission; Arkansas State Highway
and Transportation Department; Independence County;
Little Rock Municipal Water Works; and with other
State and Federal agencies I

CALENDAR FOR WATER YEAR 1989

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U.S. DEPARTMENT OF THE INTERIOR
March 3 1849

Water Resources Data Arkansas

Water Year 1989

by M.A. Moore, J.E. Porter, P.W. Westerfield, and K. Young

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-89-1

Prepared in cooperation with the Arkansas Department of Pollution Control and Ecology; Arkansas Game and Fish Commission; Arkansas Geological Commission; Arkansas Soil and Water Conservation Commission; Arkansas State Highway and Transportation Department; Independence County; Little Rock Municipal Water Works; and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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District Chief, Water Resources Division
U.S. Geological Survey
2301 Federal Office Building
Little Rock, Arkansas 72201-3287

1990

PREFACE

This volume of the annual hydrologic data report of Arkansas is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by the State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. The authors had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines. Most of the data were collected, computed, and processed under the supervision or guidance of the authors and the following senior technicians:

Frank Lambert, Little Rock
John Cottingham, Fort Smith

The data were collected, computed, and processed by the following personnel:

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Ed Morris
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Tom Porter
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Rodney Southard
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Phil Stephens
Lenny Thompson
Sharon Touschner

This report was prepared in cooperation with the State of Arkansas, and with other agencies under the general supervision of T. E. "Terry" Lamb, Assistant District Chief for Hydrologic Surveillance, and E. E. "Gene" Gann, District Chief, Arkansas.

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16. Abstract (Limit: 200 words)

The Water Resources Division of the U.S. Geological Survey, in cooperation with State, Federal, and other local governmental agencies, obtains a large amount of data pertaining to the water resources of Arkansas each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State.

Water resources data for the 1989 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; water quality of lakes; water levels, and water quality of observation wells. This report contains discharge records for 54 gaging stations; water-quality data for 160 regular water-quality stations, 65 partial-record water-quality stations, 4 observation wells, and 1 precipitation station; water-level measurements for 89 observation wells. Also included are data for 81 crest-stage partial-record surface-water stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as low-flow and miscellaneous measurements. These data represent that part of the National Water Information System operated by the U.S. Geological Survey in cooperation with State and Federal agencies in Arkansas.

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*Arkansas, *Hydrologic data, *Surface water, *Ground water, *Water quality, flow rates, Gaging stations, Lakes, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses

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CONTENTS

Page

Preface III
List of gaging stations, in downstream order, for which records are published VI
Introduction 1
Cooperation 1
Hydrologic Conditions 1
  Surface water 1
  Surface-water quality 3
  Ground water 4
Definition of terms 4
Downstream order and station number 9
Numbering system for wells and miscellaneous sites 9
Special networks and programs 10
Explanation of stage and water-discharge records 10
  Collection and computation of data 10
  Accuracy of field data and computed results 11
  Other data available 11
Explanation of water-quality records 12
  Collection and examination of data 12
  Water analysis 13
  Water temperature 13
  Sediment 13
Explanation of ground-water level records 14
  Collection of the data 14
Explanation of ground-water quality records 15
  Collection of the data 15
Explanation of precipitation-quality records 15
  Collection of the data 15
Access to WATSTORE 15
Publications on techniques of water-resources investigations 16
Discontinued gaging stations 18
Discontinued water-quality stations 20
Hydrologic-data station records 30
Discharge at partial-record stations and miscellaneous sites 453
  Crest-stage partial-record stations 453
  Low-flow partial-record stations 459
  Measurements at miscellaneous sites 471
  Analyses of samples collected at low-flow partial-record stations 473
  Analyses of samples collected at water-quality partial-record stations 480
Ground-water levels 550
Quality of ground water 570
Chemical-quality of precipitation 573
Index 579

ILLUSTRATIONS

Figure 1. Graph showing comparison of discharge at two representative long-term gaging stations 2
2. Map showing locations of continuous-gaging stations in western Arkansas 26
3. Map showing locations of continuous-gaging stations in eastern Arkansas 27
4. Map showing locations of water-quality stations in western Arkansas 28
5. Map showing locations of water-quality stations in eastern Arkansas 29
6. Map showing locations of observation wells in Arkansas 549

TABLES

TABLE 1. Factors for conversion of chemical constituents in milligrams or micrograms per liter 6
2. Degrees Celsius (°C) to degrees Fahrenheit (°F) 13
3. Factors for conversion of sediment concentration in milligrams per liter to parts per million 14

HYDROLOGIC-DATA STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

Note.--Data for partial-record stations and miscellaneous sites for both surface-water quantity and quality are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

[Letters after station name designate type of data: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment, (e) evaluation, gage heights, or contents.]

Page

MISSISSIPPI RIVER BASIN

Mississippi River at Memphis, TN (d,c,m,e) 30

ST. FRANCIS RIVER BASIN

St. Francis River at Fisk, MO (c,s) 34
St. Francis River near Glennonville, MO (s) 36
Wilhelmina Cutoff near Campbell, MO (s) 37
St. Francis River at St. Francis (c,s) 38
St. Francis River near Piggott (s) 43
St. Francis River at Holly Island (s) 44
St. Francis River at Lake City (c,s) 46
Cockle Burr Slough Ditch near Monette (c,s) 48
Right Hand Chute of Little River at Rivervale (c,s) 49
St. Francis River at Parkin (d,c,m) 51
St. Francis River Floodway near Marked Tree (c,s) 54
Cross County Ditch near Birdeye (s) 56
St. Francis Bay at Riverfront, Ark (d,c,m,s) 58
Clark Corner Cutoff near Colt, Ark (s) 62
St. Francis River at Madison (c,s) 63
L'anguille River near Colt (d,c,m,s) 66
Second Creek near Palestine (c,m) 70
L'anguille River at Marianna (c,m) 72

WHITE RIVER BASIN

West Fork White River East of Fayetteville (c,m) 74
White River near Fayetteville, Ark (d) 76
White River near Goshen (c,m) 77
Holman Creek near Huntsville (c,m) 80
Beaver Lake near Eureka Springs (c,m) 82
White River at Beaver Dam, near Eureka Springs (c,m) 90
Osage Creek Southwest of Berryville (c,m) 91
Osage Creek West of Berryville (c,m) 93
Kings River near Berryville (c,m) 95
Long Creek near Denver (c,m) 97
Table Rock Lake near Branson, MO (c,m) 99
White River below Table Rock Dam, near Branson, MO (c,m) 109
Bull Shoals Lake near Flippin (c,m) 110
White River at Bull Shoals Dam, near Flippin (c,m) 117
Crooked Creek at Harrison (c,m) 118
Crooked Creek near Harrison (c,m) 120
Crooked Creek at Yellville (d,c,m) 122
Buffalo River near St. Joe (d,c,m) 125
Hicks Creek near Mountain Home (c,m) 128
White River near Norfork (c,m) 130
Norfork Lake near Norfork (c,m) 132
North Fork River at Norfork Dam, near Norfork (c,m) 139
White River at Calico Rock, Ar (d,c,m) 140
Mill Creek near Melbourne (c,m) 143
North Sylamore Creek near Fifty Six, Ar (d,c,m) 145
White River at Batesville, Ark (d) 148
White River at Oil Trough (c,m) 149
Clearwater Lake at Clearwater Dam, MO (c,m) 151
Black River at Clearwater Dam, MO (c,m) 155
Black River near Corning, Ar (d) 156
Current River near Pocahontas (c,m) 157
Black River at Pocahontas (c,m) 159
Mammoth Spring at Mammoth Spring, Ar (d) 161
South Fork Spring River at Saddle (c,m) 162
Spring River at Ravenden (c,m) 164
Spring River at Imboden, Ar (d) 166
Eleven Point River near Ravenden Springs (d) 167
Eleven Point River near Pocahontas (c,m) 168
Black River at Black Rock (d,c,m) 170
Strawberry River near Poughkeepsie (d) 173
Strawberry River near Smithville (c,m) 174
White River at Newport (d,c,m) 176
Middle Fork Little Red River near Shirley (c,m) 179

Page

MISSISSIPPI RIVER BASIN--Continued
WHITE RIVER BASIN--Continued

South Fork Little Red River at Clinton, Ar (d) 181
Greers Ferry Lake near Heber Springs (c,m) 182
Little Red River near Heber Springs (c,m) 189
Little Red River near Searcy, Ark (d) 190
Little Red River Above Searcy (c,m) 191
Little Red River below Searcy (c,m) 193
Wattensaw Bayou near Hazen (c,m) 195
White River at Devalls Bluff (d,c,m) 197
Cache River at Egypt (d) 200
Cache River at Patterson (c,m) 201
Cache River near Cotton Plant (d) 208
Bayou Deview near Gibson (c,m) 212
Bayou Deview at Morton (c,m) 214
White River at St. Charles (c,m) 216
Boat Gunwale Slash near Holly Grove (c,m) 218
Big Creek at Poplar Grove (d) 220
Prairie Cypress Creek near Cross Roads (c,m) 221

ARKANSAS RIVER BASIN
Arkansas River:
Neosho River:
Elk River:
Little Sugar:

Mckisic Creek tributary near Bentonville (c,m) 223
Butler Creek near Sulphur Springs (c,m) 225
Spavinaw Creek near Cherokee City (c,m) 227
Illinois River at Savoy (c,m) 229
Clear Creek at Johnson (c,m) 231
Osage Creek near Elm Springs (c,m) 233
Illinois River near Siloam Springs (c,m) 235
Flint Creek at Springtown (d) 237
Flint Creek near West Siloam Springs, Okla. (d) 238
Baron Fork at Dutch Mills (d,c,m) 239
Poteau River at Waldron (c,m) 242
Poteau River Northwest of Waldron (c,m) 244
Poteau River at Cauthron (d) 246
James Fork near Hackett (d,c,m) 247
Lee Creek near Van Buren (d) 250
Arkansas River at Van Buren (c,m) 251
Arkansas River at James W. Trimble Lock and Dam, near Van Buren (d,c,m) 254
Mulberry River near Mulberry (d) 257
Mulberry River at I-40 near Mulberry (c,m) 258
Arkansas River at Ozark Dam at Ozark (c,m) 260
Short Mountain Creek West of Paris (c,m) 262
Short Mountain Creek north of Paris (c,m) 264
Big Piney Creek near Dover (d) 266
Big Piney Creek at Highway 164 near Dover (c,m) 267
Illinois Bayou near Dover (c,m) 269
Arkansas River at Dardanelle (d,c,m) 271
Whig Creek near Dardanelle (c,m) 278
Petit Jean River near Booneville (c,m) 280
Blue Mountain Lake near Waveland (c,m) 282
Petit Jean River near Waveland (c,m) 286
Dutch Creek at Shark (c,m) 287
Petit Jean River at Danville (d) 289
Chickalah Creek at Chickalah (c,m) 290
Arkansas River at Dam No. 9, near Oppelo (c,m) 292
White Oak Creek near Atkins (c,m) 294
Cadron Creek near Guy (d) 296
Arkansas River at Toad Suck Ferry Dam, near Conway (c,m) 297
Fourche Lafave River near Gravelly (d,c,m) 299
Nimrod Lake near Nimrod (c,m) 302
Fourche Lafave River near Nimrod (c,m) 306
South Fourche Lafave River at Hollis (c,m) 307
South Fourche Lafave River near Hollis (c,m) 309
Stone Dam Creek near Conway (c,m) 310
Arkansas River at Murray Dam, at Little Rock (d,c,m) 312
Arkansas River at David D. Terry Lock and Dam, below Little Rock (c,m) 315
Arkansas River at Lock and Dam 5 near Wright (c,m) 317
Arkansas River at Lock and Dam 4 near Pine Bluff (c,m) 319
Bayou Meto near North Little Rock (c,m) 321
Bayou Meto near Jacksonville (c,m) 323
Bayou Meto near Lonoke (d) 325

Page

MISSISSIPPI RIVER BASIN--Continued

ARKANSAS RIVER BASIN--Continued

Bayou Meto near Bayou Meto (c,m) 326
Arkansas River at Dam No. 2, near Gillett (c,m) 328
Mississippi River near Arkansas City (c,m) 330

RED RIVER BASIN

Red River near Foreman (c,m) 332
Red River at Index (d,c,m) 334
Mountain Fork near Hatfield (c,m) 337
Dequeen Lake near Dequeen (c,m) 339
Rolling Fork below Dequeen Lake near Dequeen (c,m) 345
Bear Creek near Horatio (c,m) 346
Little River near Horatio (d,c,m) 348
Cossatot River near Vandervoort (d,c,m) 351
Cossatot River near Umpire (c,m) 354
Gillham Lake near Gillham (c,m) 356
Cossatot River below Gillham Dam near Gillham (c,m) 362
Saline River near Burg (c,m) 363
Dierks Lake near Dierks (c,m) 365
Saline River below Dierks Dam, near Dierks (c,m) 371
Holly Creek East of Dierks (c,m) 372
Holly Creek at Dierks (c,m) 374
Saline River near Lockesburg (d) 376
Millwood Lake near Ashdown (c,m) 377
Little River at Millwood Dam, near Ashdown (c,m) 382
Sulphur River south of Texarkana (c,m) 383
Days Creek Southeast of Texarkana (c,m) 385
Red River near Spring Bank (c,m) 387
Bayou Dorcheat near Taylor (c,m) 389
Bodcau Creek near Lewisville (c,m) 391
Prairie Creek near Wena (c,m) 393
Ouachita River near Mount Ida (d,c,m) 395
Ouachita River near Malvern (d) 398
Ouachita River near Donaldson (c,m) 400
Caddo River near Caddo Gap (d) 402
South Fork Caddo River at Fancy Hill (c,m) 403
Caddo River near Amity (c,m) 405
Little Missouri River near Langley (c,m) 407
Prairie Creek at Murfreesboro (c,m) 409
Prairie Creek near Murfreesboro (c,m) 411
Antoine River at Antoine (d) 413
Little Missouri River near Boughton (c,m) 414
Ouachita River at Camden (d,c,m) 416
Ouachita River below Camden (c,m) 419
Smackover Creek near Smackover (d) 420
Smackover Creek north of Smackover (c,m) 421
Jug Creek near Fordyce (c,m) 423
Moro Creek near Banks (c,m) 425
Saline River West of Benton (c,m) 427
Saline River near Shaw (c,m) 429
Saline River near Sheridan (c,m) 431
Hurricane Creek near Sardis (c,m) 433
Hurricane Creek near Sheridan (d) 435
Big Creek near Sheridan (c,m) 436
Big Creek near Pansy (c,m) 438
Saline River near Rye (d) 440
Saline River near Fountain Hill (c,m) 441
Bayou Bartholomew near Ladd (c,m) 443
Bayou Bartholomew at Garrett Bridge (D) 445
Bayou Bartholomew near Mcgehee (d) 446
Bayou De Loutre near El Dorado (c,m) 447
Cornie Bayou near Three Creeks (d,c,m) 449

Black River:

Bayou Macon at Eudora (d) 452

Discharge at partial-record stations and miscellaneous sites 453
Crest-stage partial-record stations 453
Low-flow partial-record stations 459
Miscellaneous sites 471
Analyses of samples collected at low-flow partial-record stations 473
Analyses of samples collected at water-quality partial-record stations 480

INTRODUCTION

Water resources data for the 1989 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; water quality of lakes; and ground-water levels and quality. This report contains discharge records for 54 gaging stations; water quality for 160 stations, 65 partial-record stations, 4 ground-water observation wells, and 1 precipitation station; and ground-water-level data for 89 observation wells. Also included are data for 81 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as low-flow and miscellaneous measurements. These data represent that part of the National Water Information System operated by the U.S. Geological Survey in cooperation with State and Federal agencies in Arkansas.

Records of discharge or gage height of streams, and contents or elevation of lakes were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and for 1961-65 and 1966-70 were in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as U.S. Geological Survey Water Data Report AR-89-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

The Geological Survey and agencies of the State of Arkansas have had cooperative agreements for the systematic collection of surface-water records since 1927, and for collection of ground-water and water-quality records since 1946. Organizations that assisted in collecting information through cooperative agreement with the Survey are:

Arkansas Geological Commission, Norman F. Williams, State Geologist.
Arkansas Game and Fish Commission, Steve Wilson, Director.
Arkansas Department of Pollution Control and Ecology, Randall Mathis, Director.
Arkansas Soil and Water Conservation Commission, J. Randy Young, Director.
Arkansas State Highway and Transportation Department, Maurice Smith, Director.
Independence County, David Wyatt, County Judge

Assistance in the form of funds or services was provided by the Corps of Engineers, National Weather Service, National Park Service, Soil Conservation Service, and Arkansas Power and Light Company in collecting records for some of the gaging stations and water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Surface-Water Discharge

Streamflow was normal in northern Arkansas and excessive in the southern part of the State for the 1989 water year. Records from the National Weather Service indicated that five central and southern Arkansas cities experienced the wettest November ever. The 13.52 inches of rain recorded at Hope in southwestern Arkansas in November represented the greatest rainfall for the month of November since 1843. Excessive rainfall for July in 23 southeastern and southwestern counties caused a loss of about 117 million dollars in crops, according to the Arkansas Gazette. Based on records from the National Weather Service, several cities in southern Arkansas received as much as 7 inches of rain above normal for the month of July.

Runoff for the year at the index station on the Buffalo River near St. Joe, in northern Arkansas, was 113 percent of median for the base period 1951-80. Runoff at the index station on the Saline River near Rye, in southern Arkansas, was 208 percent of median for the base period 1951-80. The monthly mean of 8,191 ft^3/s at Saline River near Rye, set a new high for the month of July for the period of record.

Monthly and annual mean discharge for the 1989 water year, and the median for the monthly and annual mean discharges for the period 1951-80 at St. Joe and Rye are shown in figure 1.

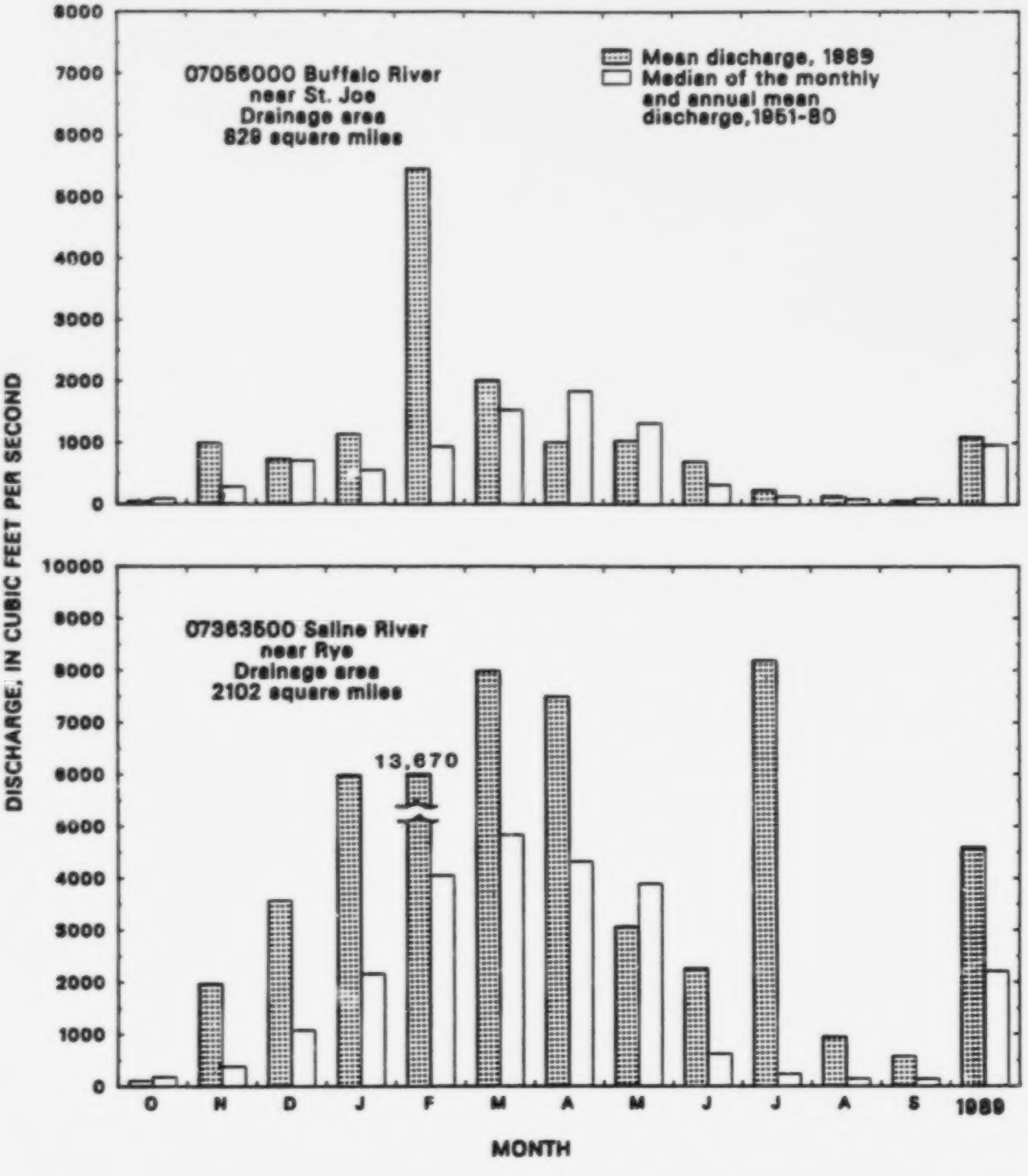


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1989 water year with the median of the monthly and annual mean discharges for a 30-year base period.

Surface-Water Quality

Arkansas streams provide an abundant supply of water of good quality, suitable for many uses. Localized stream pollution occurs in some areas of agricultural-chemical use, near large urban areas, and near some industrial areas.

Both point and non-point sources adversely affect the suitability of surface water for drinking, recreation, and aquatic life. The Mississippi Alluvial Plain in the State is particularly susceptible to non-point source effects due both to extensive farming and current farming practices.

Surface water in the Ozark Plateaus, which is experiencing rapid population growth, locally is affected by both point and non-point sources of contamination. Principal point sources are wastewater treatment plants. Principal non-point source contributions are related to farming practices in the areas. Of particular concern in this area are the upper White River, Illinois River, and Beaver Lake.

Streams in the West Gulf Coastal Plain of southern Arkansas locally are affected by point sources of contamination, many of which are related to oil and gas production.

Although the Arkansas River and other streams in the Arkansas Valley are affected locally by pollution sources, they continue to be considered as a source of water for public supply and irrigation. Many of the small streams continue to show effects of coal mining. Seepage from naturally occurring salt deposits in Kansas and Oklahoma, which increases the salinity of the Arkansas River, may render the river unsuitable for some uses during extreme low flow periods. Municipal and industrial discharges to the river also may affect its potability, however, storage effects of the Arkansas River Navigation System and tributary dams have moderated the effects of inflowing pollutants.

Concentrations of selected water-quality constituents are listed below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1989 water year are compared to concentrations for the period of record to indicate changes in water quality.

The highest dissolved-solids concentration found in the major streams in 1989 was 993 mg/L in the Red River at Index. This concentration is considered normal for this station. The Mississippi River at Memphis, Tennessee had a dissolved solids concentration that was below the minimum for the previous period of record. Dissolved-solids concentrations, in milligrams per liter, are presented for selected stream sampling sites in the following table:

	1989		Period of Record through 1988	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	136	286	153	339
St. Francis Bay at Riverfront	56	245	55	314
White River at Newport	133	164	78	388
Cache River at Patterson	--	--	41	242
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	125	674	86	2,400
Red River at Index	183	993	157	1,260
Ouachita River at Camden	34	74	30	193

The highest dissolved-chloride concentration found in the major streams in 1989 was 280 mg/L in the Red River at Index. This concentration exceeded the secondary maximum contaminant level set by the Safe Drinking Water Act of 1986. Dissolved-chloride concentrations, in milligrams per liter, are presented in the following table:

	1989		Period of Record through 1988	
	Minimum	maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	11	21	7.9	30
St. Francis Bay at Riverfront	2.1	12	.1	13
White River at Newport	2.8	4.9	.5	120
Cache River at Patterson	3.3	11	1.7	20
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	27	230	11	1,200
Red River at Index	34	280	23	410
Ouachita River at Camden	3.5	18	3.1	79

The highest fecal-coliform concentration found in the major streams in 1989 was 1,700 colonies per 100 mL in the Red River at Index. Fecal-coliform concentrations, in colonies per 100 milliliters, are presented in the following table:

	1989		Period of record through 1988	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	k23	k900	10	20,000
St. Francis Bay at Riverfront	k44	230	e8	k4,600
White River at Newport	14	74	k2	k3,200
Cache River at Patterson	k100	320	e5	3,400
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	8	k260	<1	k51,000
Red River at Index	k8	1,700	<3	k5,000
Ouachita River at Camden	13	89	<1	1,400

k Plate count outside ideal range.
e Estimated value.

The highest suspended-sediment concentration found in the major streams in 1989 was 640 mg/L in the Red River at Index. The St. Francis Bay at Riverfront had a suspended-sediment concentration that tied the minimum for the previous period of record. Suspended-sediment concentrations, in milligrams per liter, are presented in the following table:

	1989		Period of record through 1988	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	97	313	24	740
St. Francis Bay at Riverfront	21	382	21	959
White River at Newport	28	61	10	252
Cache River at Patterson	25	270	23	248
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	8	55	2	644
Red River at Index	42	640	16	8,820
Ouachita River at Camden	11	38	6	639

Ground-Water Levels

Two principal aquifers, the aquifer in the Quaternary deposits, henceforth referred to as the alluvial aquifer, and the aquifer in the Sparta and Memphis Sands, henceforth referred to as the Sparta-Memphis aquifer, provide water for most of the irrigation, public and rural supplies and industrial uses for the State. Both aquifers occur within the Mississippi embayment which covers approximately the eastern one-third of the State. The Sparta-Memphis aquifer also occurs within the deposits of the West Gulf Coastal Plain in the south central part of the State. The alluvial aquifer provides most of the ground water used for irrigation and fish farming; whereas the Sparta-Memphis aquifer of Tertiary age provides most of the ground water for industry and public supply.

The regional potentiometric gradient in the alluvial aquifer is toward the south and southeast from an altitude of about 280 feet above sea level in the northeastern part of the State to about 90 feet in the southeastern part. The normal gradient of the water surface is interrupted in parts of Lonoke, Prairie, and Arkansas Counties where large withdrawals for irrigation have caused the formation of an elongated cone of depression with a northwest to southeast axis. A second cone of depression has developed west of Crowleys Ridge in Poinsett and Cross Counties where withdrawals for irrigation also occur. Water levels in the center of both cones are more than 100 feet below land surface. The deepest water level measured in the spring of 1989 was 114.16 feet below land surface, which occurred in Lonoke County. Comparison of the 1989 to 1988 water levels indicates an average rise of approximately 0.3 foot in the cones of depression. Elsewhere, water levels in the aquifer rose approximately 0.5 foot.

The regional potentiometric gradient in the Sparta-Memphis aquifer generally is southward except where affected by pumping. Three cones of depression, centered in Columbia, Union and Jefferson Counties, are a result of relatively large withdrawals for industrial and public supplies in those areas. Large withdrawals in the Grand Prairie for irrigation resulted in a northeasterly elongation of the cone centered under Jefferson County. At the center of these cones, the water levels vary from about 270 feet to more than 450 feet below land surface. The deepest water level of 450.33 feet occurred near El Dorado in Union County. Water levels, on the average, declined about 0.5 foot in Union County from the previous year, and about 4.0 feet in Jefferson County. The average water level in Columbia County declined 1.25 feet from the previous year. A 3.0 foot average decline in water levels occurred in the Grand Prairie (Arkansas, Lonoke, and Prairie Counties) area. Elsewhere in the State, water levels in the Sparta-Memphis aquifer rose about 0.5 foot from the previous year.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch/pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1.233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gramnegative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as a number of colonies per 100 mL of sample.

Fecal coliform bacteria are present in the intestines of feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptoccocal bacteria also are present in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as grampositive, cocci bacteria that are capable of growth in brain-heart infusion broth. These bacteria are also defined as all the organisms that produce red or pink colonies within 48 hours at 35°C ± 0.5°C on KF-streptococcus agar (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is fair-weather flow sustained by ground-water discharge.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Cells/volume refers to the number of cells of any organism, which are counted by using a microscope and grid of counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-ft, about 646,000 gallons, or 2.447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to the material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure and temperature and the dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynethesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water of some streams.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river upstream from the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system which consists of a surface or a body of impounded surface water, together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 below. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 3, page 14.

Table 1.--Factors for conversion of chemical constituents in milligrams per liter to milliequivalents per liter

	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*................	0.11119	Iodide (I^{-1})................	0.00788
Ammonia as NH_4^{-1})................	.05544	Iron (Fe^{+3})*................	.05372
Barium (Ba^{+2})...................	.01456	Lead (Pb^{+2})*................	.00965
Bicarbonate (HCO_3^{-1})............	.01639	Lithium (Li^{+1})*..............	.14411
Bromide (Br^{-1})..................	.01251	Magnesium (Mg^{+2})............	.06226
Calcium (Ca^{+2})..................	.04990	Manganese (Mn^{+2})*..........	.03640
Carbonate (CO_3^{-2})...............	.03333	Nickel (Ni^{+2})*..............	.03406
Chloride (Cl^{-1}).................	.02821	Nitrate (NO_3^{-1})............	.01613
Chromium (Cr^{+6})*................	.11539	Nitrite (NO_2^{-1})............	.02174
Cobalt (Co^{+2})*..................	.03394	Phosphate (PO_4^{-3})..........	.03159
Copper (Cu^{+2})*..................	.03148	Potassium (K^{+1})............	.02557
Cyanide (CN^{-1})..................	.03844	Sodium (Na^{+1})...............	.04350
Flouride (F^{-1})..................	.05264	Strontium (Sr^{+2})*..........	.02283
Hydrogen (H^{+1})..................	.99209	Sulfate (SO_4^{-2})............	.02082
Hydroxide (OH^{-1})................	.05880	Zinc (Zn^{+2})*................	.03060

*Constituents reported in micrograms per liter; multiply by factor and divide results by 1,000.

National Geodetic Vertical Datum of 1929 (NGVD) geodetic datum derived from a general adjustment of the first-order-level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coast, it does not necessarily represent local mean level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and (or) water-quality data are collected systematically throughout a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determined fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analyses
Clay..........	0.00035- 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants, respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 d/min. (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the lakes and rivers.

Phytoplankton form the plant part of the plankton. They generally are microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

Blue green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter of sample.

Zooplankton form the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment, and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sea level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level of 1929."

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from, water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 feet above the bed), expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge by milligrams per liter by 0.0027.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium-absorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. Water varies, in respect to sodium hazard, from that which can be used for irrigation on almost all soils to that which generally is unsatisfactory for irrigation.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids concentration of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff," as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time they are planimetered. All areas shown are those for the stage when the map was planimetered.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute-acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing parts of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and the suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating that the sample consists of a water-suspended-sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended-sediment sample has been digested by a method (usually using a dilute-acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than "total" amount (this is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

WRD is used as an abbreviation of "Water-Resources Data" in REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

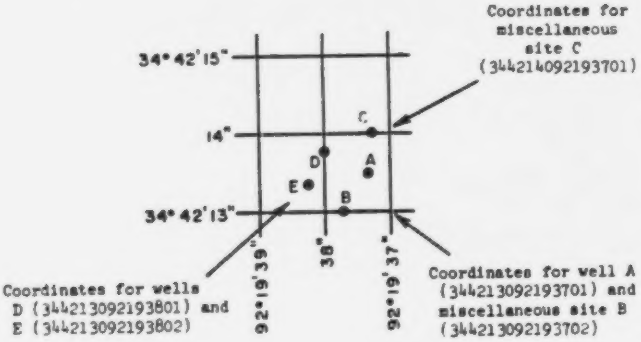
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations of first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated, with respect to the stream to which it is immediately tributary, is indicated by an indention in the list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These numbers are in the same downstream order in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The downstream order number for each station, such as 07060710, which appears just to the left of the station name, includes the two-digit part number "07" plus the six-digit downstream-order number "060710." This six-digit number can be expanded to 12 digits if necessary because of station density.

NUMBERING SYSTEM FOR WELLS

Downstream-order station numbers are not assigned to wells.

The well numbering system of the Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and a unique number for each site. The number consists of 15-digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the well within a 1-second grid. See diagram below.


Coordinates for miscellaneous site C (344214092193701)
34° 42' 15"
C
14"
D
A
E
B
34° 42' 13"
92°19' 39"
38"
92°19' 37"
Coordinates for wells D (344213092193801) and E (344213092193802)
Coordinates for well A (344213092193701) and miscellaneous site B (344213092193702)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National stream-quality accounting network (NASQAN) is a data-collection network designed by the Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been (identified by eight-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

National trends network is a long-term monitoring network of the chemistry of wet deposition. Approximately 150 sites representing broad regional characteristics comprise the network.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations that has been established to provide baseline information on the occurrence of tritium in the Nation's surface water. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

Daily discharge records were computed and included in this report for 54 stations in Arkansas in 1989. The locations of these stations are shown in figures 2 and 3, pages 26 and 27.

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either a continuous reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), stepbackwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily-mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. Backwater necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow, in cubic feet per second, during the month. The lines "MAX" and "MIN" give the maximum and minimum daily discharges, respectively for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed, "AC-FT".) Figures for cubic feet per second per square mile and runoff, in inches, are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water year.

Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site, are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs, the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but it is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths, between 1.0 and 10 ft^3/s; to whole numbers, between 10 and 1,000 ft^3/s; and to three significant figures, above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to the discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff, because of the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoir, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations, such as observations of water temperatures, discharge measurements, gage-height records, and rating tables, is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. Periods of no gage-height record occur when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the periods for which there are published records for the existent station or for stations generally equivalent to the existent one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error from data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. To make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)," that only the instantaneous minimum was revised; and "(P)," that only the peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. For all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "National Geodetic Vertical Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified.

Information pertaining to the accuracy of the discharge records and to conditions that affect the natural flow of the gaging station is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder, a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge, it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations, peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are all independent peaks, including the maximum for the year, above the selected base, with the time occurrence and corresponding gage heights, are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which peaks are subject to substantial control by man. Time of day is expressed in 24-hour local time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The water-quality records are given immediately after the water-discharge records for these stations. One hundred and sixty stations are included for 1989. The location of these stations are shown in figures 4 and 5, pages 28 and 29.

The descriptive heading for surface-water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

Numerical codes have been assigned for agencies collecting and analyzing samples, and are listed in the water-quality tables of this report as follows:

810	Corps of Engineers, U.S. Army
9827	Arkansas Department of Pollution Control and Ecology
1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80020	National Water-Quality Laboratory, WRD, USGS
17003	Illinois State Water Survey
81213	District Water-Quality Laboratory, Ocala, Florida
80501	Ouachita Baptist University, Arkadelphia, Arkansas

The column heading "SAMPLE SOURCE" in the water-quality tables of this report designates the location from which the sample was taken. In this report, two locations are shown; location of the main channel is designated by a 67 sample-source code, and the location of the overbank is designated by a 68 sample-source code.

REVISIONS--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values in this report have not been corrected for this bias. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on pages 16 and 17.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Water-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent, as much as possible, the water-quality conditions at the time of sampling, consistent with available sampling techniques and methods of analyses. Where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between the time of a measurement of pH in the field and the determination of carbonate and bicarbonate in the laboratory. Some bacterial concentrations, because of the method of analysis, will be preceded by the symbol "K." The "K" replaces the "B" used in previous data reports. Both symbols mean "Plate count outside ideal range."

Water temperature

Water temperatures are measured at most water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*

[Temperature reported to nearest 0.5°C]

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	46	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

* °C = 5/9 (°F-32) or °F = 9/5 (°C) +32

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may be collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment-discharge value differs from the value computed as the product of the discharge multiplied by mean concentration multiplied by 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Table 3.--Factors for conversion of sediment concentration in milligrams per liter to parts per million*

[All values calculated to three significant figures]

Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by	Range of concentration in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-623	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/mL and a specific gravity of sediment of 2.65.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

The ground-water-level data in this report comprise information for a basic network of observation wells. The water-level measurements are intended to provide a sample and historical record of water-level fluctuations in the State's most productive aquifers.

Data are included for 104 wells in Arkansas (fig. 6, page 549). Thirteen of the wells are equipped with automatic digital recorders and the rest are measured manually one or more times each year. The wells selected are located so as to provide areal coverage of data-collection points for the most productive aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See diagram on page 9.

Measurements are made in many types of wells and under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized, it is determined by conditions at a particular site. However, the equipment and techniques used are those that will insure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum of 1929 (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based. Land-surface datum is the elevation of the land surface, with respect to National Geodetic Vertical Datum, at each well. If known, the elevation of the land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the depth to water may be a few tenths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot.

EXPLANATION OF GROUND-WATER QUALITY RECORDS

Collection of the data

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

In an attempt to detect long-term changes in ground-water quality, a network of 25 monitoring wells has been established. Those monitoring wells were selected to use for sampling ground water from all major aquifers. Two or more wells are sampled from large aquifers such as those in the Quaternary alluvium and Sparta Sand. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that five or six wells are usually sampled each year. In 1989, six wells in the network were sampled. Chemical analyses for these wells are located in the "Quality of Ground Water" section immediately following the ground-water-level records.

EXPLANATION OF PRECIPITATION-QUALITY RECORDS

Collection of the data

The precipitation-quality records in this report are for one site operated by the U.S. Geological Survey in the National Trends Network. Field measurements of pH and specific conductance of weekly composite precipitation samples and daily precipitation quantity are made. Other chemical analyses for all National Trends Network sites are performed by the Central Analytical Laboratory of the Illinois Water Survey. A numerical agency code (17003) has been assigned to the Illinois Water Survey for data storage purposes.

ACCESS TO WATSTORE DATA

The National WATer STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on back of the title page).

General inquiries about WATSTORE may be direct to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and Warren E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3. Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, N. Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS-TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

DISCONTINUED GAGING STATIONS

The following continuous-record streamflow stations in Arkansas have been discontinued or converted to partial-record stations. Daily streamflow records were collected and published for the period of record shown for each station.

Station Number	Station name	Drainage area (mi²)	Period of record
	St. Francis River basin		
07047000	St. Francis River floodway near Marked Tree (Dam), Ark.	4,644	1934-65
07047500	St. Francis River at Marked Tree, Ark.	5,148	1934-73
07047810	St. Francis River floodway near Marked Tree, Ark.	4,651	1965-70
	White River basin		
07048000	West Fork White River at Greenland, Ark.	83.10	1945-83
07048500	West Fork White River near Fayetteville, Ark.	118	1937-45
*07049000	War Eagle Creek near Hindsville, Ark.	263	1952-70
07049500	White River near Rogers, Ark.	1,020	1952-63
07050500	Kings River near Berryville, Ark.	527	1939-75
*07055000	White River near Flippin, Ark.	6,081	1928-80
07057000	Buffalo River near Rush, Ark.	1,096	1928-70
07057250	White River at Shipps Ferry, Ark.	8,007	1963-64
07068890	Fourche River above Pocahontas, Ark.	229	1964-70
*07069000	Black River at Pocahontas, Ark.	4,845	1936-70
07073000	Strawberry River near Evening Shade, Ark.	217	1939-79
*07073500	Piney Fork at Evening Shade, Ark.	99.20	1939-84
*07075000	Middle Fork of Little Red River at Shirley, Ark.	302	1939-84
*07076000	Little Red River near Heber Springs, Ark.	1,153	1927-80
07076850	Cypress Bayou near Beebe, Ark.	166	1961-76
07077930	Big Creek near Moro, Ark.	77.40	1961-70
07078000	LaGrue Bayou near Stuttgart, Ark.	176	1935-54
	Arkansas River basin		
07194760	Illinois River near Viney Grove, Ark.	80.7	1986
07194800	Illinois River at Savoy, Ark.	167	1980-81, 1986
07195000	Osage Creek near Elm Springs, Ark.	130	1950-75
07195400	Illinois River near Siloam Springs, Ark.	509	1980-81 1986
*07249500	Cove Creek near Lee Creek, Ark.	35.30	1950-70
*07251000	Frog Bayou near Mountainburg, Ark.	74.20	1936-61
*07251500	Frog Bayou at Rudy, Ark.	216	1950-70
07252500	Sixmile Creek Subwatershed No. 6 near Chismville, Ark.	4.23	1960-70
07253000	Sixmile Creek at Chismville, Ark.	24.10	1954-70
07253500	Sixmile Creek near Branch, Ark.	36.70	1954-70
07254000	Sixmile Creek Subwatershed No. 5 near Chismville, Ark.	2.76	1960-70
07254500	Sixmile Creek Subwatershed No. 2 near Caulksville, Ark.	5.81	1960-70

* Converted to a partial-record station.

DISCONTINUED GAGING STATIONS--CONTINUED

Station number	Station name	Drainage area (mi²)	Period of record
	Arkansas River basin--Continued		
07255000	Sixmile Creek at Caulksville, Ark.	104	1954-70
07255100	Sixmile Creek near Subwatershed No. 23 near Branch, Ark.	4.49	1960-70
07255500	Hurricane Creek near Branch, Ark.	17.20	1954-70
07256000	Hurricane Creek near Caulksville, Ark.	53	1954-70
*07256500	Spadra Creek at Clarksville, Ark.	61.10	1952-70
07257500	Illinois Bayou near Scottsville, Ark.	241	1948-70
*07258500	Petit Jean River near Booneville, Ark.	241	1938-84
*07259500	Petit Jean River near Waveland, Ark.	516	1939-80
*07260000	Dutch Creek at Waltreak, Ark.	81.40	1945-75
*07262500	Fourche Lafave River near Nimrod, Ark.	684	1936-80
07264500	Bayou Meto near Stuttgart, Ark.	574	1935-54
07265000	Crooked Creek near Humphrey, Ark.	79.20	1940-54
	Red River basin		
*07339500	Rolling Fork near DeQueen, Ark.	182	1948-80
*07340500	Cossatot River near DeQueen, Ark.	360	1938-80
*07341000	Saline River near Dierks, Ark.	121	1938-80
07349430	Bodcau Creek at Stamps, Ark.	234	1958-70
07356500	South Fork Ouachita River at Mount Ida, Ark.	64	1949-70
07358000	Ouachita River near Hot Springs, Ark.	1,405	1922-30
07359700	Caddo River at Glenwood, Ark.	201	1988
07361000	Little Missouri River near Murfreesboro, Ark.	380	1928-31 1937-77
*07362500	Moro Creek near Fordyce, Ark.	240	1951-83
*07363000	Saline River at Benton, Ark.	550	1950-79
*07363200	Saline River near Sheridan, Ark.	1,123	1970-81
07364000.	Saline River near Warren, Ark.	2,476	1928-31 1937-40
07365800	Cornie Bayou near Three Creeks, Ark.	180	1956-87
07365900	Three Creeks near Three Creeks, Ark.	50.30	1956-71

* Converted to a partial-record station.

DISCONTINUED WATER-QUALITY STATIONS

The following water-quality stations have been discontinued in Arkansas. Continuous daily records of water temperature or sediment and monthly or periodic samples of chemical quality were collected and published for the period of record shown for each station.

Station number	Station name	Type of record	Period of record
	MISSISSIPPI RIVER MAIN STEM		
07024181	Mississippi River at Huffman, Ark.	Chem.	1974-83
07029150	Mississippi River at Barfield, Ark	Chem.	1974-83
07032010	Mississippi River at West Memphis, Ark.	Chem.	1969-70
07047970	Mississippi River at Helena, Ark.	Chem.	1972-74
07265455	Mississippi River near Greenville, Miss.	Chem.	1973-74
	ST. FRANCIS RIVER BASIN		
07040350	Big Slough Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040424	Locust Creek Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester, Ark.	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester, Ark.	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak, Ark.	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manila, Ark.	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbro, Ark.	Chem.	1972-74
07047400	Pemiscot Bayou near Dell, Ark.	Chem.	1974-83
07047500	St. Francis River at Marked Tree, Ark.	Chem.	1946, 1950-55, 1966-73
07047560	Tyronza River near Dyess, Ark.	Chem.	1977
07047570	Tyronza Bayou near Dyess, Ark.	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford, Ark.	Chem.	1977
07047585	Tyronza River Ditch Nr. 6 near Lepanto, Ark.	Chem.	1977
07047590	Tyronza River near Spear Lake, Ark.	Chem.	1977
07047700	Tyronza River near Twist, Ark.	Chem.	1974-88
07047882	Straight Slough near Birdye, Ark.	Chem. Sed.	1977-84
07047936	L'Anguille River near Cherry Valley, Ark.	Chem., Sed.	1981-84
07047950	L'Anguille River at Palestine, Ark.	Chem., Sed.	1978-79 1981-84
07047968	St. Francis River North of Helena, Ark.	Chem.	1972-83
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland, Ark.	Chem.	1946-54, 1956-57, 1959,1963, 1976-79
07048600	White River near Fayetteville, Ark.	Chem.	1958, 1976-81
07049000	War Eagle Creek near Hindsville, Ark.	Chem.	1950,1953
07049695	White River above Busch, Ark.	Chem., Temp.	1969, 1972-82
07050000	White River at Beaver, Ark.	Chem.	1945-46, 1948-53, 1974-83

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
07055000	White River near Flippin, Ark.	Chem.	1945-50, 1953,1979
07055000	White River at Cotter, Ark.	Chem.	1947-59, 1966-82
07055550	Crooked Creek Tributary near Dog Patch, Ark.	Chem.	1947-59, 1966-82
07055600	Crooked Creek at Pyatt, Ark.	Chem.	1963,1964, 1974-78
07055630	White River at Buffalo City, Ark.	Temp.	1963-64
07055700	Little Buffalo River at Jasper, Ark.	Temp.	1963-70
07056520	Bear Creek West of Marshall, Ark.	Chem.	1983-86
07057000	Buffalo River near Rush, Ark.	Chem.	1946-54, 1958-59, 1961,1963
07057246	White River near Lone Rock, Ark.	Temp.	1979-82
07057250	White River at Shipps Ferry, Ark.	Temp.	1963-64
07060010	North Fork River at Norfork, Ark.	Chem., Temp.	1974-83
07060660	White River at Sylamore, Ark.	Temp.	1967-82
07061000	White River at Batesville, Ark.	Chem.	1983-86
07061094	White River near Salado, Ark.	Chem.	1983-86
07064000	Black River near Corning, Ark.	Chem.	1945-61, 1963, 1966-67, 1972-83
07068600	Little Black River at Success, Ark.	Chem., Temp.	1965, 1980-86
07068867	Fourche River near Middlebrook, Ark.	Chem.	1969-75
07069266	Spring River near Hardy, Ark.	Chem.	1974-83
07069268	South Fork of Spring River near Moko, Ark.	Chem.	1972-74
07069500	Spring River at Imboden, Ark.	Chem.	1945-63, 1966-72, 1976-79
07072000	Eleven Point River near Ravenden Springs, Ark.	Chem.	1945-60, 1963,1966, 1972-79
07073000	Strawberry River near Evening Shade, Ark.	Chem.	1946-57, 1979
07073500	Piney Fork at Evening Shade, Ark.	Chem.	1959,1979
07074000	Strawberry River near Poughkeepsie, Ark.	Chem.	1946-60, 1971,1972, 1979
07074490	Black River at Jacksonport, Ark.	Chem.	1964, 1974-83
07074491	White River at Jacksonport, Ark.	Chem.	1983-86
07074595	Village Creek near Walnut Ridge, Ark.	Chem.	1973-74, 1976-77
07074645	Lick Pond Creek near Alicia, Ark.	Chem.	1976-77
07074660	Village Creek near Swifton, Ark.	Chem.	1973-74, 1976-77

DISCONTINUED WATER-QUALITY STATIONS--Continued

WHITE RIVER BASIN--CONTINUED

Station number	Station name	Type of record	Period of record
07074665	Maple Ditch near Swifton, Ark.	Chem.	1976-77
07074675	Swan Pond Ditch near Tuckerman, Ark.	Chem.	1976-77
07074700	Village Creek near Newport, Ark.	Chem.	1960-61, 1963-64, 1973-74, 1976-77
07074849	White River above Augusta, Ark.	Temp.	1967-71
07074850	White River near Augusta, Ark.	Chem.	1954,1979
07075000	Middle Fork of Little Red River at Shirley, Ark.	Chem.	1954,1979
07076200	Little Red River near Wilburn, Ark.	Chem., Temp.	1968-83
07076500	Little Red River at Pangburn, Ark.	Temp.	1967-82
07076620	Little Red River near Searcy, Ark.	Temp.	1967-82
07076634	Little Red River at Judsonia, Ark.	Chem.	1975-83
07076640	Little Red River near West Point, Ark.	Temp.	1967-72
07076750	White River at Georgetown, Ark.	Temp.	1967-81
07076850	Cypress Bayou near Beebe, Ark.	Chem.	1976-78
07077000	White River at DeValls Bluff, Ark.	Chem., Temp.	1963-70
07077080	Little Cache River Ditch No. 1 near McDougal, Ark.	Chem.	1973-75
07077380	Cache River at Egypt, Ark.	Chem.	1963,1966, 1976-79
07077400	Cache River near Cash, Ark.	Chem.	1974-83
07077600	Cache River at Brasfield, Ark.	Chem.	1974-83
07077750	Bayou Deview near Brasfield, Ark.	Chem.	1956-57, 1974-83
07077790	Cache River at 100 Yards Below Dredging, Ark.	Chem.	1977-80
07077794	Cache River at Mouth near Clarendon, Ark.	Chem.	1977-80
07077800	White River at Clarendon, Ark.	Chem., Temp.	1948-67, 1970-86
07077950	Big Creek at Poplar Grove, Ark.	Chem.	1972, 1976-79
07077952	Big Creek near Poplar Grove, Ark.	Chem.	1970-73
07077960	Big Creek near Watkins Corner, Ark.	Chem.	1974-83
07078120	Little LaGrue Bayou near Stuttgart, Ark.	Chem.	1954-55
07078285	White River at Ark. Post Canal near Nady, Ark.	Chem.	1972-83
	ARKANSAS RIVER BASIN		
07195430	Illinois River South of Siloam Springs, Ark.	Chem.	1972-81
07195800	Flint Creek at Springtown, Ark.	Chem.	1975-79
07195850	Flint Creek North of Siloam Springs, Ark.	Chem.	1972-81
07196950	Evansville Creek at Evansville, Ark.	Chem.	1958-59
07247000	Poteau River at Cauthron, Ark.	Chem.	1945-61, 1975-79
07247012	Poteau River South of Bates, Ark.	Chem.	1972-83
07247903	Lee Creek near Natural Dam, Ark.	Chem.	1972-74
07250000	Lee Creek near Van Buren, Ark.	Chem.	1951-59, 1972-79

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	ARKANSAS RIVER BASIN--CONTINUED		
07252000	Mulberry River near Mulberry, Ark.	Chem.	1947-59, 1975-79
07252400	Arkansas River at Ozark, Ark.	Chem.	1962-63, 1965-66
07252500	Sixmile Creek Subwatershed near Chismville, Ark.	Chem., Sed.	1959-67
07257000	Big Piney Creek near Dover, Ark.	Chem.	1951-56
07257500	Illinois Bayou near Scottsville, Ark.	Chem.	1971-72
07257995	Lake Dardanelle at Dardanelle, Ark.	Chem.	1966-67
07260500	Petit Jean River at Danville, Ark.	Chem.	1949-52. 1976-78
07260640	Petit Jean River near Centerville, Ark.	Chem.	1974-83
07261000	Cadron Creek near Guy, Ark.	Chem.	1976-78
07261235	East Fork Cadron Creek North of Conway, Ark.	Chem.	1973
07261250	Cadron Creek West of Conway, Ark.	Chem.	1955-56, 1973-83
07263000	South Fourche LaFave River near Hollis, Ark.	Chem.	1953 1978-79
07263010	Fourche LaFave River near Aplin, Ark.	Chem.	1952-53
07263150	Fourche LaFave River near Bigelow, Ark.	Chem.	1975-83
07263500	Arkansas River at Little Rock, Ark.	Chem.	1946-69
07263650	Arkansas River at Pine Bluff, Ark.	Chem.	1963
07263720	Arkansas River near Altheimer, Ark.	Chem.	1954
07263750	Arkansas River at Lock and Dam 3 near Swan Lake, Ark.	Chem.	1974-83
07264000	Bayou Meto near Lonoke, Ark.	Chem.	1968-83
07264050	Bayou Two Prairie near Cabot, Ark.	Chem.	1975-83
07264500	Bayou Meto near Stuttgart, Ark.	Chem.	1950-52, 1973-74
07265280	Arkansas River at Pendleton, Ark.	Chem.	1963
	RED RIVER BASIN		
07339500	Rolling Fork near DeQueen, Ark.	Temp.	1976-79
07339850	Rolling Fork near Horatio, Ark.	Chem.	1974-83
07340500	Cossatot River near DeQueen, Ark.	Temp.	1976-79
07340520	Cossatot River near Lockesburg, Ark.	Chem.	1974-83
07341000	Saline River near Dierks, Ark.	Temp.	1975-79
07341200	Saline River near Lockesburg, Ark.	Chem.	1974-83
07341500	Red River at Fulton, Ark.	Chem., Temp.	1946-47 1952-61, 1978-79
07342000	Red River at Garland, Ark.	Chem.	1976
07344290	Days Creek South of Texarkana, Ark.	Chem.	1973-74
07344340	Sulphur River near Fort Lynn, Ark.	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey, Ark.	Chem.	1973-74
07348680	Crooked Creek at Arkansas-Louisiana State Line	Chem.	1973-74

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07349445	Bodcau Creek near Taylor, Ark.	Chem.	1952, 1973-74
07349453	Wheeler Creek near Arkana, Ark.	Chem.	1973-74
07349455	Bear Creek near Arkana, Ark.	Chem.	1973
07349457	Dooley Creek near Arkansas-Louisiana State Line	Chem.	1973
07356150	Ouachita River near Washita, Ark.	Chem.	1970-72
07356320	Irons Fork Creek near Fannie, Ark.	Chem.	1970-78
07356500	South Fork Ouachita River at Mount Ida, Ark.	Chem.	1970-72, 1978
07357500	Lake Ouachita near Hot Springs, Ark.	Chem.	1970-78
07357501	Ouachita River at Blakely Mountain Dam near Hot Springs, Ark.	Chem.	1970-83
07357503	Ouachita River at Mountain Pine, Ark.	Temp.	1979-82
07358501	Ouachita River at Carpenter Dam near Hot Springs, Ark.	Chem.	1974-86
07359900	DeGray Lake near Arkadelphia, Ark.	Chem.	1950-52, 1976-78
07359910	Caddo River at DeGray Regulating Dam near Arkadelphia, Ark.	Chem.	1976-78
07360000	Ouachita River at Arkadelphia, Ark.	Chem.	1949-70
07360162	Ouachita River near Sparkman, Ark.	Chem.	1974-83
07360182	Brushy Creek near Ouachita, Ark.	Chem.	1978-81
07360250	Little Missouri River near Newhope, Ark.	Chem.	1970-78
07360350	Self Creek near Daisy, Ark.	Chem.	1970-72, 1976-78
07360500	Lake Greeson near Murfreesboro, Ark.	Chem.	1970-72, 1976-78
07361500	Antoine River at Antoine, Ark.	Chem.	1976-79
07361650	Terre Rouge Creek near Prescott, Ark.	Chem.	1978-79
07361660	Little Missouri River near Whelen Springs, Ark.	Chem.	1978
07361805	Terre Noir Creek at Vaden, Ark.	Chem.	1978-79
07362100	Smackover Creek near Smackover, Ark.	Chem.	1950-52, 1976-81
07362200	Smackover Creek near Norphlet, Ark.	Chem.	1959-60, 1962-68, 1970-72
07362390	Ouachita River at Calion, Ark.	Chem.	1950-54
07362400	Ouachita River at Lock and Dam 8, near Calion, Ark.	Chem.	1972-84
07362500	Moro Creek near Fordyce, Ark.	Chem.	1952-55, 1976-77
07363000	Saline River at Benton, Ark.	Chem.	1950-53, 1975-79
07363080	Saline River near Tull, Ark.	Chem.	1974-75
07363300	Hurricane Creek near Sheridan, Ark.	Chem.	1967-72, 1976-80
07363400	Hurricane Creek below Sheridan, Ark.	Chem.	1950-55
07363500	Saline River near Rye, Ark.	Chem.	1947-55, 1958-60, 1968-71, 1976-80

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07364020	L'Aigle Creek at Hermitage, Ark.	Chem.	1960
07364060	Bayou Lapile at Strong, Ark.	Chem.	1952-55
07364080	Ouachita River near Felsenthal, Ark.	Chem. Temp.	1950-67, 1971-81
07364088	Coffee Creek near Crossett, Ark.	Chem.	1973-83
07364150	Bayou Bartholomew near McGehee, Ark.	Chem.	1960-72, 1976-79
07365900	Three Creeks near Three Creeks, Ark.	Chem.	1953-55, 1973-74
07366105	Little Cornie Bayou East of Junction City, Ark.	Chem.	1973-74
07367666	Big Bayou near Jerome, Ark.	Chem.	1974-81
07367695	LaFourche Bayou near Wilmot, Ark.	Chem.	1973-74

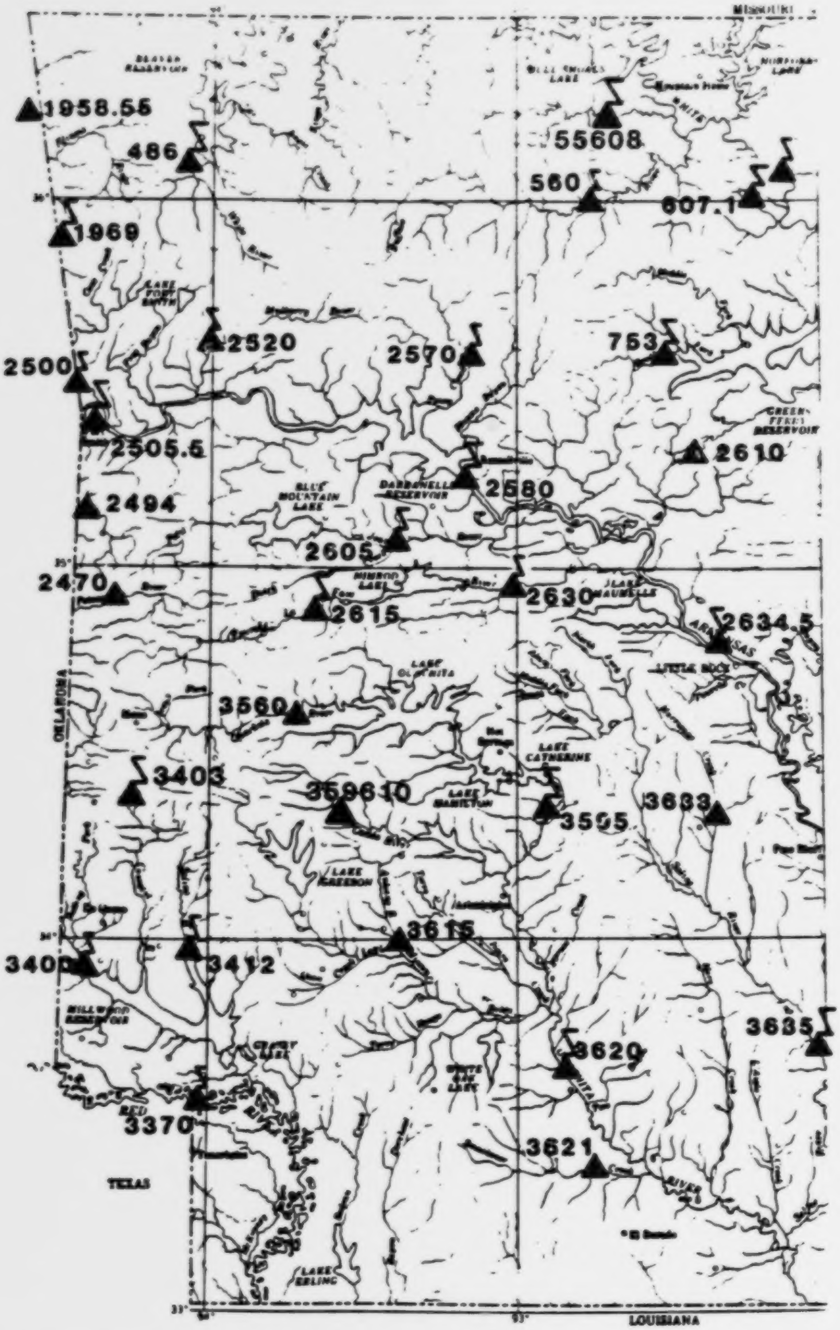

MISSOURI
BULL SHOALS LAKE
NORFORK LAKE
1958.55
486
55608
560
607.1
1969
LAKE FORT SMITH
2520
2570
753
2500
2505.5
GREERS FERRY RESERVOIR
2610
DARDANELLE RESERVOIR
2580
BLUE MOUNTAIN LAKE
2494
2605
2470
NIMROD LAKE
2630
LAKE MAUMELLE
2615
2634.5
ARKANSAS
LITTLE ROCK
LAKE OUACHITA
OKLAHOMA
3560
LAKE CATHERINE
3403
359610
LAKE HAMILTON
3595
3633
LAKE GREESON
3615
3400
3412
MILLWOOD RESERVOIR
3635
3620
WHITE OAK LAKE
RED
3370
3621
TEXAS
El Dorado
LAKE ERLING
LOUISIANA

Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

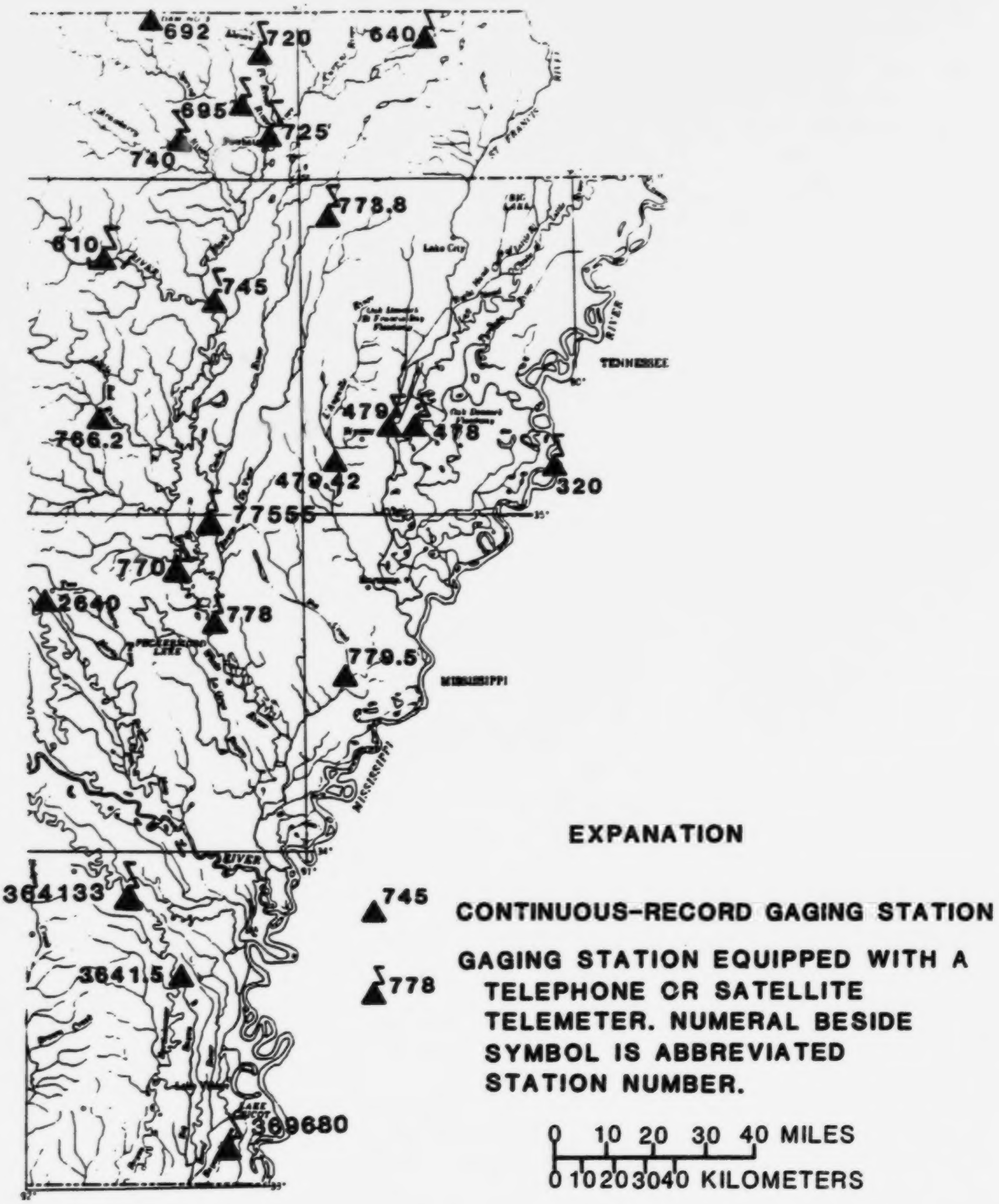

692
720
640
695
725
740
778.8
610
745
TENNESSEE
479
478
766.2
479.42
320
77555
770
2640
778
779.5
MISSISSIPPI
RIVER
364133
3641.5
369680
EXPANATION
745 CONTINUOUS-RECORD GAGING STATION
778 GAGING STATION EQUIPPED WITH A TELEPHONE OR SATELLITE TELEMETER. NUMERAL BESIDE SYMBOL IS ABBREVIATED STATION NUMBER.
0 10 20 30 40 MILES
0 10 20 30 40 KILOMETERS

Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.

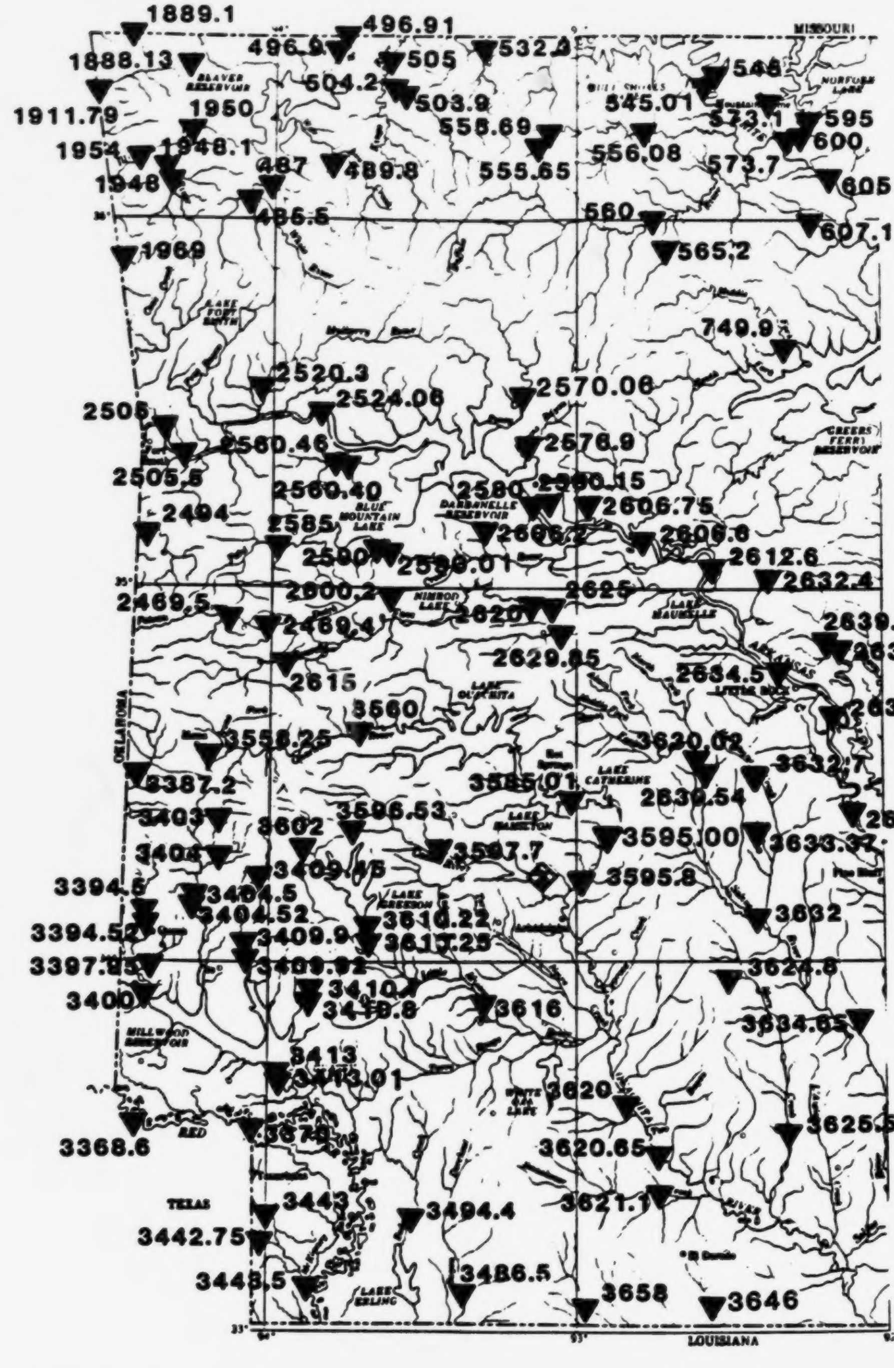

MISSOURI
LOUISIANA
OKLAHOMA
TEXAS
BEAVER RESERVOIR
NORFORK LAKE
LAKE FORT SMITH
GREERS FERRY RESERVOIR
BLUE MOUNTAIN LAKE
DARDANELLE RESERVOIR
NIMROD LAKE
LAKE MAUMELLE
LAKE OUACHITA
LAKE CATHERINE
LAKE HAMILTON
LAKE GREESON
MILLWOOD RESERVOIR
WHITE OAK LAKE
LAKE ERLING
RED
LITTLE ROCK
1889.1
1888.13
1911.79
1950
1954
1948.1
1948
1969
496.91
496.9
505
504.2
503.9
532.0
487
489.8
486.5
546
545.01
573.1
595
600
573.7
605
558.69
555.65
556.08
560
565.2
607.1
749.9
2520.3
2524.08
2570.06
2505
2505.5
2560.46
2560.40
2576.9
2494
2585
2580
2590.15
2606.75
2606.2
2606.8
2590
2599.01
2612.6
2632.4
2469.5
2600.2
2625
2620
2469.4
2629.85
2639.2
2639.35
2615
2634.5
2636.2
3560
3558.25
3620.02
3387.2
3585.01
3632.7
2639.54
2636.4
3403
3602
3596.53
3597.7
3595.00
3633.37
3404
3409.45
3595.8
3394.5
3404.5
3404.52
3610.22
3632
3394.52
3409.9
3611.25
3397.85
3409.92
3624.8
3400
3410.1
3410.8
3616
3634.65
3413
3413.01
3620
3368.6
3676
3625.5
3620.65
3443
3494.4
3621.1
3442.75
3448.5
3486.5
3658
3646

Figure 4.--Locations of water-quality stations in western Arkansas.

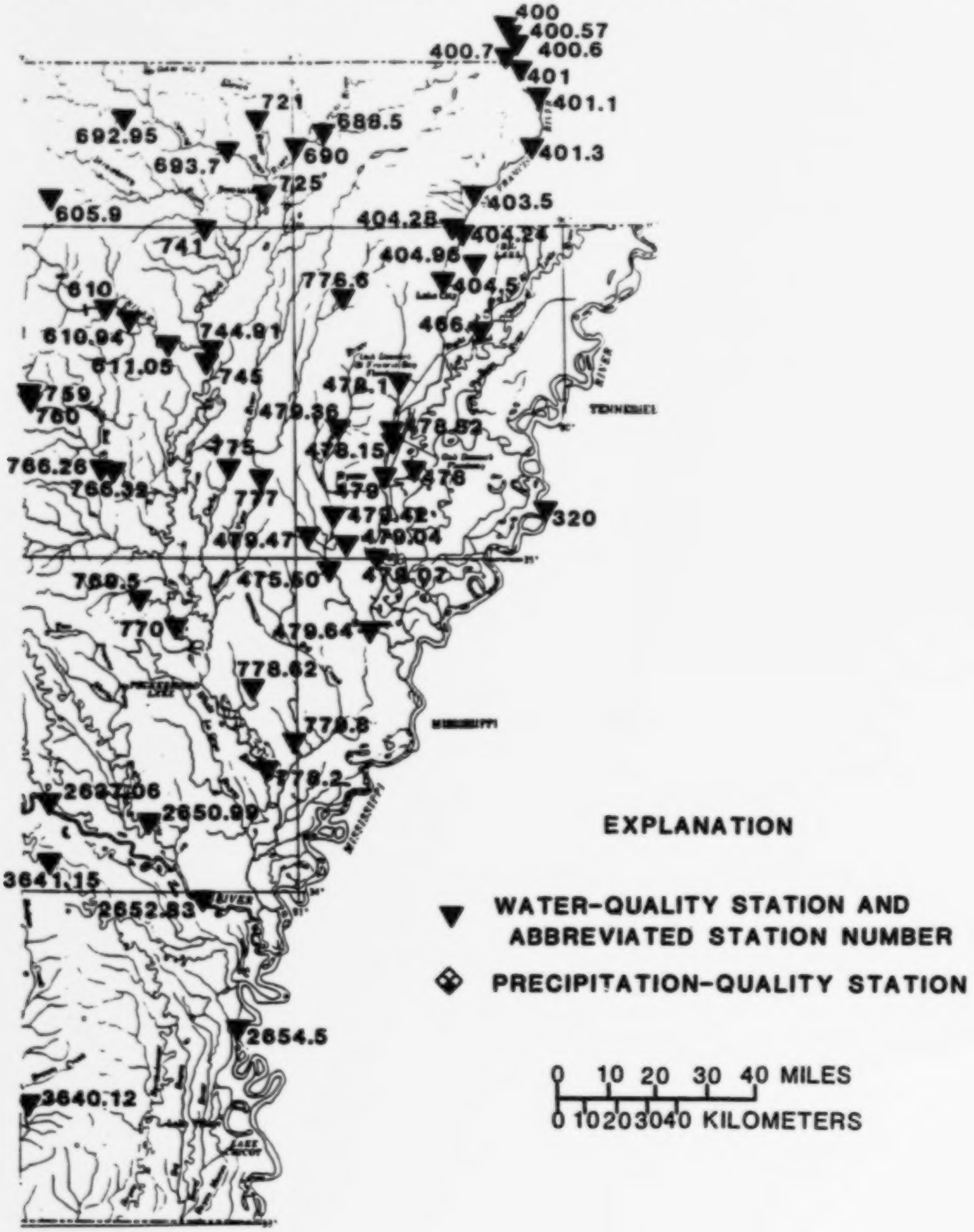

400
400.57
400.7
400.6
401
401.1
401.3
403.5
404.28
404.24
404.95
404.5
466
721
688.5
692.95
693.7
690
725
605.9
741
776.6
610
610.94
611.05
744.91
745
759
760
478.1
479.36
478.82
475
478.15
766.26
766.32
777
479
478
320
479.42
479.47
479.04
475.60
479.07
769.5
770
479.64
778.62
779.8
779.2
2687.06
2650.99
3641.15
2652.83
2654.5
3640.12
TENNESSEE
MISSISSIPPI
RIVER
EXPLANATION
▼ WATER-QUALITY STATION AND ABBREVIATED STATION NUMBER
◈ PRECIPITATION-QUALITY STATION
0 10 20 30 40 MILES
0 10 20 30 40 KILOMETERS

Figure 5.--Locations of water-quality stations in eastern Arkansas.

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.

(National stream-quality accounting network station)

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 mi downstream from Beale Street gage, 3.5 mi downstream from Wolf River, 62.4 mi upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1933 to current year. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to current year in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at present datum.

REMARKS.--Flow regulated upstream by many locks, dams, and reservoirs.

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--56 years, 483,100 ft^3/s, 350,000,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980,000 ft^3/s Feb. 8, 1937; maximum gage height, 48.69 ft Feb. 10, 1937; minimum discharge, 79,200 ft^3/s Aug. 26, 1936; minimum gage height, -10.70 ft July 10, 11, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft Apr. 9, 1913, at Beale Street gage or about 45.2 ft at present site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160,000 ft^3/s Feb. 28; maximum gage height, 30.51 ft Mar. 1; minimum daily discharge, 125,000 ft^3/s Oct. 17; minimum gage height, -9.70 ft Oct. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188000	156000	601000	701000	415000	1150000	751000	390000	547000	736000	294000	366000
2	192000	152000	561000	711000	406000	1150000	760000	401000	564000	722000	296000	360000
3	199000	145000	521000	707000	409000	1160000	770000	425000	573000	690000	300000	348000
4	192000	141000	489000	685000	430000	1150000	790000	451000	571000	682000	302000	345000
5	181000	141000	449000	657000	471000	1150000	816000	480000	560000	698000	299000	355000
6	169000	147000	418000	630000	537000	1130000	861000	508000	528000	708000	289000	368000
7	159000	152000	391000	600000	582000	1100000	917000	538000	500000	697000	273000	371000
8	153000	158000	369000	586000	606000	1070000	973000	571000	485000	685000	260000	359000
9	151000	167000	342000	579000	622000	1040000	1020000	597000	488000	667000	258000	344000
10	152000	179000	304000	592000	624000	1020000	1050000	596000	500000	644000	258000	329000
11	154000	194000	269000	611000	616000	1000000	1080000	590000	511000	612000	263000	316000
12	154000	208000	251000	661000	594000	988000	1080000	590000	527000	581000	268000	309000
13	150000	223000	247000	698000	563000	977000	1090000	597000	551000	548000	254000	326000
14	141000	226000	243000	757000	549000	967000	1090000	609000	563000	517000	230000	362000
15	132000	230000	244000	830000	561000	966000	1090000	620000	579000	488000	211000	395000
16	127000	235000	238000	890000	641000	965000	1080000	622000	605000	468000	196000	426000
17	125000	235000	221000	943000	769000	963000	1050000	623000	628000	452000	189000	461000
18	127000	233000	199000	983000	882000	954000	1020000	623000	651000	441000	186000	486000
19	133000	238000	183000	1020000	945000	926000	965000	626000	688000	432000	187000	484000
20	139000	301000	168000	1030000	978000	885000	879000	628000	712000	406000	193000	484000
21	143000	316000	158000	1040000	1010000	827000	769000	623000	727000	369000	199000	492000
22	144000	360000	155000	1030000	1030000	758000	661000	613000	743000	339000	205000	500000
23	140000	448000	155000	1010000	1040000	714000	572000	597000	759000	326000	211000	498000
24	139000	543000	166000	976000	1070000	696000	513000	582000	773000	325000	220000	477000
25	138000	604000	189000	923000	1100000	708000	474000	577000	787000	328000	239000	448000
26	149000	636000	221000	824000	1120000	724000	456000	571000	797000	334000	262000	431000
27	156000	672000	260000	716000	1150000	739000	438000	561000	799000	336000	281000	422000
28	156000	670000	362000	620000	1160000	738000	424000	547000	793000	332000	296000	423000
29	155000	664000	461000	530000	---	760000	408000	531000	779000	322000	313000	439000
30	155000	639000	600000	457000	---	761000	394000	516000	759000	314000	338000	456000
31	159000	---	690000	428000	---	755000	---	532000	---	303000	357000	---
TOTAL	4752000	9413000	10125000	23425000	20880000	28891000	24241000	17335000	19047000	15502000	7927000	12180000
MEAN	153300	313800	326600	755600	745700	932000	808000	559200	634900	500100	255700	406000
MAX	199000	672000	690000	1040000	1160000	1160000	1090000	628000	799000	736000	357000	500000
MIN	125000	141000	155000	428000	406000	696000	394000	390000	485000	303000	186000	309000
AC-FT	9426000	18670000	20080000	46460000	41420000	57310000	48080000	34380000	37780000	30750000	15720000	24160000

CAL YR 1988 TOTAL 121934000 MEAN 333200 MAX 1010000 MIN 110000 AC-FT 241900000
WTR YR 1989 TOTAL 193718000 MEAN 530700 MAX 1160000 MIN 125000 AC-FT 384200000

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-4.0	-7.0	15.1	17.8	7.5	30.5	20.3	7.4	14.4	20.3	3.6	6.4
2	-3.7	-7.4	13.8	18.2	7.0	30.4	20.8	7.7	15.0	20.1	3.6	6.1
3	-3.2	-8.0	12.2	18.1	7.0	30.4	21.1	8.9	15.4	18.7	4.0	5.5
4	-3.7	-8.4	10.9	17.4	7.9	30.2	21.8	10.0	15.3	18.4	4.2	5.2
5	-4.6	-8.4	9.3	16.4	9.3	30.0	22.3	11.0	15.2	19.0	4.1	5.5
6	-5.6	-7.9	7.9	15.5	12.0	29.6	23.3	12.1	14.1	19.3	3.6	6.3
7	-6.5	-7.4	6.6	14.4	13.7	28.9	24.7	13.2	12.9	19.1	2.7	6.6
8	-7.0	-6.9	5.5	13.9	14.7	28.1	26.0	14.3	12.2	18.5	1.7	6.1
9	-7.2	-6.1	4.2	13.4	15.4	27.5	27.0	15.4	12.2	17.8	1.7	5.4
10	-7.1	-5.1	2.3	13.7	15.6	27.1	27.8	15.4	12.6	16.9	1.7	4.6
11	-7.0	-4.0	.4	14.3	15.5	26.7	28.3	15.3	12.9	16.0	2.0	3.9
12	-7.0	-3.0	-.8	15.6	15.0	26.5	28.6	15.3	13.3	15.0	2.5	3.5
13	-7.4	-2.1	-1.2	16.6	13.9	26.4	28.8	15.5	14.2	14.0	2.0	4.1
14	-8.2	-1.9	-1.6	18.0	13.3	26.2	28.9	15.9	14.6	13.0	.3	6.0
15	-9.0	-1.7	-1.7	20.0	13.1	26.2	28.9	16.4	15.0	11.9	-.9	7.6
16	-9.5	-1.3	-2.0	21.4	15.3	26.1	28.7	16.6	15.9	11.2	-1.9	9.2
17	-9.7	-1.2	-2.9	22.6	19.5	26.1	28.3	16.6	16.7	10.6	-2.7	10.6
18	-9.5	-1.3	-4.2	23.6	22.8	26.0	27.7	16.7	17.3	10.2	-3.1	11.9
19	-9.0	-.9	-5.3	24.5	24.4	25.3	26.6	16.9	18.5	10.0	-3.4	11.8
20	-8.5	2.6	-6.4	25.0	25.0	24.4	24.8	17.0	19.3	9.0	-3.2	11.8
21	-8.1	3.4	-7.1	25.2	25.9	23.0	22.0	17.0	19.8	7.2	-3.0	12.1
22	-8.0	5.4	-7.4	25.2	26.3	21.1	18.7	16.9	20.3	5.6	-2.7	12.4
23	-8.4	9.1	-7.5	24.8	26.9	19.4	15.7	16.3	20.8	4.9	-2.5	12.5
24	-8.5	12.6	-6.5	24.2	27.5	18.5	13.6	15.7	21.2	4.8	-2.1	11.9
25	-8.6	14.8	-4.7	23.3	28.3	18.7	12.2	15.5	21.6	5.0	-1.1	10.7
26	-7.6	15.9	-2.6	21.1	29.2	19.0	11.3	15.4	22.0	5.3	.5	10.0
27	-7.0	17.1	-.2	18.1	29.9	19.4	10.4	15.1	22.0	5.6	1.8	9.5
28	-7.0	17.1	4.6	15.1	30.4	19.4	9.6	14.7	22.0	5.5	2.7	9.4
29	-7.1	17.0	8.6	12.2	---	20.1	8.8	14.1	21.6	5.0	3.5	10.1
30	-7.1	16.3	13.5	9.2	---	20.3	7.8	13.2	21.0	4.7	4.8	11.0
31	-6.8	---	16.3	8.0	---	20.5	---	13.9	---	4.3	5.8	---

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1973 to current year.

PERIOD OF DAILY RECORD--
SPECIFIC CONDUCTANCE: February 1973 to September 1981.
WATER TEMPERATURES: February 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 11...	1130	80513	80020	154000	490	8.2	18.5	17	8.7	93
FEB 22...	0815	80513	80020	1000000	236	7.7	5.0	140	11.2	87
APR 24...	1330	80513	80020	538000	350	7.9	16.0	34	8.6	87
JUL 24...	1230	80513	80020	325000	335	8.1	26.0	22	7.6	94

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 11...	1130	765	220	44	180	42	17	38	32	1
FEB 22...	0815	768	K900	2200	93	26	6.7	8.5	16	0.4
APR 24...	1330	762	K23	1200	140	38	12	14	17	0.5
JUL 24...	1230	763	29	K300	130	37	10	17	21	0.6

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 11...	1130	3.8	113	0	139	114	21	66	0.30	3.2
FEB 22...	0815	2.4	57	0	68	56	11	32	0.10	5.3
APR 24...	1330	2.8	116	0	142	116	14	47	0.20	6.2
JUL 24...	1230	3.2	88	0	107	88	11	50	0.20	5.0

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT 11...	1130	286	282	0.39	119000	--	<0.010	0.450	0.070	0.050
FEB 22...	0815	136	130	0.18	368000	0.830	0.010	0.840	0.130	0.090
APR 24...	1330	205	212	0.28	298000	1.66	0.040	1.70	0.040	0.040
JUL 24...	1230	193	189	0.26	169000	--	<0.010	0.650	0.010	<0.010

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT 11...	1130	0.53	0.60	0.110	0.060	<10	2	71	<0.5	<1
FEB 22...	0815	0.97	1.1	0.270	0.050	100	<1	46	<0.5	1
APR 24...	1330	0.96	1.0	0.160	0.050	30	<1	50	<0.5	<1
JUL 24...	1230	0.49	0.50	0.130	0.050	10	1	49	<0.5	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
OCT 11...	1130	<3	4	9	<5	19	3	<0.1	<10	<1
FEB 22...	0815	<3	12	160	<5	<4	11	<0.1	<10	6
APR 24...	1330	<3	8	40	<5	6	2	<0.1	<10	5
JUL 24...	1230	<3	9	22	<1	7	6	<0.1	<10	1

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 11...	1130	<1	<1.0	250	<6	14	97	40300	62
FEB 22...	0815	<1	<1.0	110	<6	61	313	848000	83
APR 24...	1330	<1	<1.0	150	<6	9	141	205000	71
JUL 24...	1230	<1	<1.0	170	<6	13	99	86900	80

07040000 ST. FRANCIS RIVER AT FISK, MO.

LOCATION.--Lat 36°46'50", long 90°12'08", in NW ¼ SW ¼ sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)
OCT 11.	1330	80513	80513	2.11	473	0.30	215	8.3	16.0
NOV 14.	1415	80513	80513	1.53	375	0.40	226	7.8	11.5
DEC 19.	1330	80513	80513	7.09	1690	0.20	182	7.6	4.0
JAN 17.	1515	80513	80513	8.72	2010	1.00	154	7.9	4.5
FEB 13.	1645	80513	80513	11.95	3290	0.70	121	7.6	2.5
MAR 13.	1430	80513	80513	13.11	3880	0.40	145	7.6	7.5
APR 24.	1600	80513	80513	11.07	3080	0.30	131	7.9	18.0
MAY 22.	1800	80513	80513	0.05	168	0.70	180	7.5	20.5
JUN 19.	1530	80513	80513	10.87	2980	0.40	176	7.7	23.0
JUL 17.	1430	80513	80513	0.60	249	0.30	198	8.3	26.5
AUG 21.	1500	80513	80513	-0.18	73	0.60	213	8.5	27.5
SEP 18.	1235	80513	80513	1.17	326	0.70	188	7.8	21.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT 11.	1330	8.8	89	761	36	47	94	94	97
NOV 14.	1415	10.2	94	756	30	30	96	96	100
DEC 19.	1330	12.8	98	757	14	64	95	95	95
JAN 17.	1515	12.0	93	758	58	315	92	92	95
FEB 13.	1645	12.8	96	748	150	1330	60	64	92
MAR 13.	1430	12.1	103	748	57	597	83	86	96
APR 24.	1600	9.1	98	751	36	299	84	90	95
MAY 22.	1800	8.0	91	747	25	11	98	98	100
JUN 19.	1530	8.2	97	752	62	499	96	98	100
JUL 17.	1430	7.3	92	755	55	37	98	98	99
AUG 21.	1500	9.3	119	754	16	3.1	93	94	100
SEP 18.	1235	8.7	98	758	46	40	99	100	--

07040000 ST. FRANCIS RIVER AT FISK, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT								
11.	1330	100	1	4	76	99	100	--
NOV								
14.	1415	--	8	13	81	99	100	--
DEC								
19.	1330	100	19	27	58	94	99	100
JAN								
17.	1515	100	3	3	50	97	100	--
FEB								
13.	1645	100	11	18	48	89	100	--
MAR								
13.	1430	100	3	4	52	93	100	--
APR								
24.	1600	100	4	5	63	97	100	--
MAY								
22.	1800	--	5	6	59	97	100	--
JUN								
19.	1530	--	3	4	64	96	100	--
JUL								
17.	1430	100	3	4	58	94	100	--
AUG								
21.	1500	--	6	7	61	98	100	--
SEP								
18.	1235	--	2	3	59	97	100	--

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MO.

LOCATION.--Lat 36°34'22", long 90°11'06", in NE ¼ NW ¼ sec.10, T.22 N., R.8 E., Butler-Dunklin County line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi southwest of Glennonville, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV										
14...	1310	80513	80513	1.79	356	0.30	13.0	54	52	97
DEC										
19...	1230	80513	80513	4.52	1780	0.20	4.5	43	207	90
JAN										
17...	1400	80513	80513	5.80	2850	0.10	4.5	126	970	73
FEB										
13...	1530	80513	80513	12.70	8400	0.10	3.5	1960	44500	91
MAR										
13...	1320	80513	80513	8.46	4730	0.10	8.0	132	1690	68
APR										
24...	1430	80513	80513	6.59	3300	0.20	18.0	76	677	83
MAY										
22...	1615	80513	80513	1.84	409	0.30	22.5	50	55	100
JUN										
19...	1430	80513	80513	7.13	3820	0.20	23.0	170	1750	92

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
14...	1310	97	100	--	8	13	84	99	100
DEC									
19...	1230	93	98	100	1	2	63	99	100
JAN									
17...	1400	79	95	100	7	8	82	99	100
FEB									
13...	1530	93	99	100	16	20	70	99	100
MAR									
13...	1320	74	96	100	1	3	83	99	100
APR									
24...	1430	90	97	100	1	2	76	99	100
MAY									
22...	1615	--	--	--	7	13	86	99	100
JUN									
19...	1430	95	99	100	3	4	64	99	100

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MO.

LOCATION.--Lat 36°30'53", long 90°09'30", in SW ¼ SW ¼ sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi northwest of Campbell, Mo., off Missouri State Highway 53.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV 14...	1420	80513	80513	21.11	420	0.30	12.5	50	57	97
DEC 19...	1200	80513	80513	20.70	1600	0.20	5.0	33	143	17
JAN 17...	1315	80513	80513	22.65	1900	0.10	4.5	225	1150	48
FEB 13...	1415	80513	80513	30.61	9340	0.10	3.5	1630	41100	85
MAR 13...	1230	80513	80513	28.46	4650	0.10	8.0	148	1860	84
APR 24...	1330	80513	80513	25.61	2990	0.20	18.0	422	3410	20
MAY 22...	1515	80513	80513	20.95	440	0.10	23.0	98	116	99
JUN 19...	1345	80513	80513	26.25	3560	0.10	23.0	210	2020	92

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV 14...	1420	97	100	--	2	3	78	99	100
DEC 19...	1200	25	92	100	0	0	69	99	100
JAN 17...	1315	54	95	100	0	1	74	99	100
FEB 13...	1415	88	99	100	2	2	72	99	100
MAR 13...	1230	91	95	100	2	3	54	96	100
APR 24...	1330	20	92	100	1	2	88	100	--
MAY 22...	1515	99	100	--	2	2	82	99	100
JUN 19...	1345	95	99	100	2	2	77	99	100

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARK.

LOCATION.--Lat 36°27'21", long 90°08'13", in sec.18, T.21 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on U.S. Highway 62 at St. Francis, and at mile 229.

PERIOD OF RECORD.--July 1969 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: February 1985 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 4,050 mg/L July 19, 1987; minimum, 10 mg/L October 21, 1988.
SEDIMENT LOADS: Maximum daily, 61,000 tons, February 14, 1989; minimum, 3.5 tons October 21, 1989.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,280 mg/L, March 30; minimum daily, 10 mg/L October 21.
SEDIMENT LOADS: Maximum daily, 61,500 tons, Feburary 14; minimum daily, 3.5 tons October 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
OCT 11.	1100	80513	80513	--	5.87	584	0.10	221	8.3
NOV 15.	0800	80513	80513	--	5.32	397	0.10	252	6.0
DEC 20.	0820	80513	80513	--	10.88	1750	0.20	175	7.2
JAN 18.	0830	80513	80513	--	13.70	2260	0.10	145	8.0
FEB 14.	0845	80513	80513	67	23.81	12100	0.10	54	7.0
14.	0900	80513	80513	68	--	3670	0.10	52	7.1
MAR 14.	0735	80513	80513	--	18.32	4640	0.10	135	7.8
APR 25.	0830	80513	80513	--	15.39	3280	0.30	127	8.1
MAY 23.	0900	80513	80513	--	5.91	411	0.20	187	7.3
JUN 20.	1000	80513	80513	--	15.90	3660	0.10	160	7.6
JUL 17.	1215	80513	80513	--	5.86	450	0.20	290	8.6
AUG 21.	1230	80513	80513	--	4.10	210	0.30	369	8.2
SEP 18.	1400	80513	80513	--	6.94	711	0.20	187	7.8

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT 11.	1100	16.0	8.5	86	761	32	50	92	95
NOV 15.	0800	13.0	9.6	92	753	59	63	95	95
DEC 20.	0820	6.0	11.2	91	755	48	227	83	86
JAN 18.	0830	4.0	11.6	89	758	95	580	86	89
FEB 14.	0845	5.0	10.6	83	762	1370	44800	63	72
14.	0900	5.0	12.5	98	760	845	8370	97	97
MAR 14.	0735	8.0	10.9	94	743	99	1240	87	90
APR 25.	0830	18.0	8.6	92	753	101	894	94	97
MAY 23.	0900	20.5	8.1	91	753	75	83	99	100
JUN 20.	1000	23.0	7.0	83	752	158	1560	96	99
JUL 17.	1215	26.0	7.9	98	757	89	108	99	100
AUG 21.	1230	26.0	7.8	97	755	73	41	99	99
SEP 18.	1400	20.5	8.6	96	757	98	188	100	--

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT								
11.	1100	100	--	1	2	97	99	100
NOV								
15.	0800	100	--	3	3	96	99	100
DEC								
20.	0820	96	100	1	1	94	99	100
JAN								
18.	0830	98	100	0	0	88	98	100
FEB								
14.	0845	99	100	1	13	97	99	100
14.	0900	99	100	97	99	99	100	--
MAR								
14.	0735	99	100	2	14	98	99	100
APR								
25.	0830	99	100	1	1	96	99	100
MAY								
23.	0900	--	--	12	18	97	100	--
JUN								
20.	1000	99	100	3	4	93	99	100
JUL								
17.	1215	--	--	6	8	94	99	100
AUG								
21.	1230	100	--	28	34	97	99	100
SEP								
18.	1400	--	--	47	64	99	99	100

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	2020	575	3140	104	14	3.9	2440	283	1860
2	2020	284	2240	102	18	5.0	2900	218	1710
3	1130	95	290	148	23	9.2	3240	248	2170
4	585	57	90	362	66	65	3500	230	2170
5	852	68	156	472	252	321	3580	195	1880
6	978	60	158	347	273	256	3580	148	1430
7	824	38	85	201	150	81	3550	137	1310
8	714	40	77	137	57	21	3360	118	1070
9	637	39	67	157	149	63	2830	107	818
10	575	34	53	406	170	186	2610	83	585
11	559	31	47	434	112	131	2650	96	687
12	532	25	36	421	114	130	2650	67	479
13	465	24	30	427	83	96	2630	76	540
14	337	32	29	415	71	80	2580	55	383
15	219	31	18	400	81	87	2470	53	353
16	179	24	12	481	211	274	2230	51	307
17	163	17	7.5	481	87	113	2090	43	243
18	155	18	7.5	849	161	369	1890	47	240
19	137	11	4.1	5660	1660	25400	1790	55	266
20	133	14	5.0	9120	887	21800	1730	46	215
21	128	10	3.5	7240	400	7820	1560	34	143
22	139	11	4.1	3520	216	2050	1440	32	124
23	381	18	19	1430	274	1060	1230	49	163
24	484	39	51	1090	134	394	1090	32	94
25	491	32	42	1130	126	384	1020	23	63
26	427	23	27	2490	710	4770	1010	34	93
27	306	22	18	5450	669	9840	1010	25	68
28	208	32	18	2860	237	1830	3090	1270	10600
29	142	16	6.1	1180	204	650	3750	440	4450
30	121	16	5.2	1540	207	861	3170	185	1580
31	110	12	3.6	---	---	---	3920	250	2650
TOTAL	17051	---	6749.6	49054	---	79150.1	76590	---	38744

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	4490	252	3050	2210	125	746	6080	160	2630
2	4640	247	3090	1910	109	562	5900	166	2640
3	4290	217	2510	7020	1400	26500	5550	132	1980
4	3730	166	1670	8700	697	16400	6360	818	14000
5	3490	173	1630	7000	404	7640	12700	1150	39400
6	4930	594	7910	5890	300	4770	12300	466	15500
7	4870	294	3870	5380	244	3540	7960	321	6900
8	4630	275	3440	5350	352	5080	7800	350	7370
9	4690	252	3190	5120	313	4330	6670	211	3800
10	4610	245	3050	4600	203	2520	5810	135	2120
11	4320	198	2310	3990	154	1660	5300	145	2070
12	5270	809	11500	3510	90	853	4880	146	1920
13	5290	364	5200	5330	1280	18400	4620	119	1480
14	4330	353	4130	15500	1470	61500	4570	112	1380
15	4450	406	4880	22300	823	49600	4880	165	2170
16	3530	256	2440	23100	563	35100	5120	160	2210
17	2710	107	783	16000	527	22800	5150	138	1920
18	2400	95	616	11800	288	9180	4910	269	3570
19	2290	90	556	9510	202	5190	4620	132	1650
20	2220	75	450	8830	268	6390	4360	155	1820
21	2030	113	619	10000	625	16900	4310	159	1850
22	1660	76	341	9130	231	5690	4050	117	1280
23	1500	99	401	7800	172	3620	3930	110	1170
24	1450	81	317	7160	246	4760	3630	103	1010
25	1430	71	274	6840	217	4010	3330	80	719
26	3320	920	8250	6630	191	3420	3130	77	651
27	4390	509	6030	6420	150	2600	2800	84	635
28	2890	148	1150	6190	165	2760	2550	83	571
29	3330	457	4110	---	---	---	2330	135	849
30	3600	239	2320	---	---	---	5700	2280	35100
31	2880	148	1150	---	---	---	8150	906	19900
TOTAL	109660	---	91237	233220	---	326521	169450	---	180265

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	5660	229	3500	2480	103	690	646	65	113
2	3050	222	1830	2340	89	562	553	53	79
3	2320	173	1080	2260	105	641	464	54	68
4	5940	1040	16700	2140	99	572	559	233	352
5	5970	423	6820	1790	105	507	1090	575	1690
6	3350	186	1680	1620	103	451	763	452	931
7	2770	145	1080	1560	86	362	496	165	221
8	3130	154	1300	1530	79	326	633	149	255
9	3490	158	1490	1430	82	317	765	119	246
10	3520	121	1150	1080	85	248	822	103	229
11	3540	118	1130	1130	95	290	1420	244	935
12	3670	118	1170	1310	92	325	5120	2180	30100
13	3600	110	1070	1320	85	303	6350	1010	17300
14	3430	106	982	1110	84	252	4860	345	4530
15	3150	88	748	1040	73	205	2500	317	2140
16	3030	97	794	981	98	260	2330	212	1330
17	3120	104	876	877	58	137	2720	184	1350
18	3090	89	743	800	56	121	3270	171	1510
19	3090	237	1980	608	57	94	3870	218	2280
20	2900	111	869	467	69	87	3590	161	1560
21	3210	113	979	379	48	49	3400	144	1320
22	3360	106	962	404	90	98	3460	130	1210
23	3360	114	1030	422	69	79	3540	126	1200
24	3340	102	920	398	67	72	3620	113	1100
25	3280	97	859	439	87	103	3580	126	1220
26	3210	119	1030	508	83	114	3500	140	1320
27	3160	119	1020	610	127	209	3970	148	1590
28	3080	146	1210	574	110	170	3780	163	1660
29	3080	145	1210	719	105	204	3620	207	2020
30	2860	145	1120	799	98	211	2990	152	1230
31	---	---	---	743	64	128	---	---	---
TOTAL	103760	---	57332	33868	---	8187	78281	---	81089

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	2480	127	850	845	241	550	398	100	107
2	2030	138	756	620	163	273	438	75	89
3	1740	150	705	496	124	166	426	75	86
4	1610	148	643	598	132	213	412	82	91
5	1540	164	682	704	213	405	398	264	284
6	1420	144	552	607	231	379	338	173	158
7	1250	145	489	532	89	128	287	60	46
8	1100	117	347	399	97	104	239	54	35
9	938	136	344	323	72	63	184	64	32
10	822	112	249	250	67	45	318	395	339
11	769	115	239	209	66	37	329	193	171
12	745	126	253	197	67	36	302	86	70
13	769	130	270	190	65	33	434	112	131
14	687	112	208	188	64	32	683	355	655
15	598	115	186	187	60	30	1170	466	1470
16	533	101	145	187	63	32	923	182	454
17	462	91	114	191	63	32	967	164	428
18	434	93	109	191	58	30	774	96	201
19	476	102	131	194	58	30	512	71	98
20	438	94	111	183	62	31	337	53	48
21	443	78	93	200	61	33	239	50	32
22	460	71	88	202	59	32	195	49	26
23	422	59	67	220	260	154	177	41	20
24	406	72	79	494	207	276	158	29	12
25	464	79	99	577	496	773	167	30	14
26	446	97	117	511	269	371	252	60	41
27	437	89	105	405	102	112	258	50	35
28	579	254	397	383	95	98	193	35	18
29	841	318	722	344	80	74	159	76	33
30	973	208	546	419	339	384	157	80	34
31	1010	494	1350	633	380	649	---	---	---
TOTAL	27322	---	11046	11679	---	5605	11824	---	5258
YEAR	921759		891183.7						

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, ARK.

LOCATION.--Lat 36°23'50", long 90°04'40", in SE ¼ SW ¼ sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi east of Piggott.

DRAINAGE AREA.--1,776 mi².

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV											
14...	1140	80513	80513	--	5.84	417	0.30	12.0	61	69	98
DEC											
19...	1100	80513	80513	--	10.74	1720	0.10	4.0	47	218	71
JAN											
17...	1200	80513	80513	--	13.68	2960	0.10	4.0	148	1180	71
FEB											
13...	1215	80513	80513	67	16.27	4330	0.10	3.5	262	3060	74
13...	1245	80513	80513	68	--	275	0.10	4.0	310	230	90
MAR											
13...	1100	80513	80513	67	16.64	3780	0.10	7.5	164	1670	76
13...	1130	80513	80513	68	--	374	0.10	8.0	107	108	90
APR											
24...	1200	80513	80513	--	14.23	3300	0.20	18.0	169	1510	55
MAY											
22...	1430	80513	80513	--	5.80	422	0.40	23.0	67	76	100
JUN											
19...	1145	80513	80513	67	14.89	3590	0.20	22.5	287	2780	82
19...	1215	80513	80513	68	--	137	0.20	22.5	148	55	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV											
14...	1140	98	100	--	--	2	3	67	97	100	--
DEC											
19...	1100	77	96	100	--	1	1	29	93	98	100
JAN											
17...	1200	75	97	100	--	0	0	46	95	100	--
FEB											
13...	1215	75	95	97	100	1	1	50	96	100	--
13...	1245	90	93	100	--	36	61	89	97	100	--
MAR											
13...	1100	83	95	100	--	6	8	67	98	100	--
13...	1130	90	97	100	--	47	88	98	100	--	--
APR											
24...	1200	63	90	100	--	1	1	69	99	100	--
MAY											
22...	1430	--	--	--	--	1	1	64	99	100	--
JUN											
19...	1145	86	95	100	--	3	4	47	97	100	--
19...	1215	100	--	--	--	83	96	98	99	100	--

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, ARK.

LOCATION.--Lat 36°14'11", long 90°07'52", in SW ¼ NE ¼ sec.32, T.19 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 90, at Holly Island.

DRAINAGE AREA.--1,788 mi².

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	TEMPER-ATURE WATER (DEG C) (00010)
NOV								
15...	0900	80513	80513	--	10.84	397	0.10	12.0
DEC								
20...	0920	80513	80513	--	13.27	1740	0.20	5.0
JAN								
18...	1000	80513	80513	67	14.24	2610	0.10	4.0
18...	1030	80513	80513	68	--	635	0.10	4.0
FEB								
14...	1100	80513	80513	67	15.30	4210	0.10	5.0
14...	1130	80513	80513	68	--	1600	0.10	4.5
MAR								
14...	0850	80513	80513	67	15.20	3560	0.10	9.0
14...	0925	80513	80513	68	--	1560	0.10	10.5
APR								
25...	1030	80513	80513	67	14.61	2830	0.20	18.0
25...	1100	80513	80513	68	--	648	0.20	18.0
MAY								
23...	1045	80513	80513	--	11.67	339	0.20	21.0
JUN								
20...	1100	80513	80513	67	14.77	2930	0.20	24.0
20...	1115	80513	80513	68	--	829	0.30	24.0

DATE	TIME	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV								
15...	0900	63	68	99	99	99	100	12
DEC								
20...	0920	36	169	95	95	95	100	0
JAN								
18...	1000	123	867	85	88	93	100	0
18...	1030	131	225	97	97	100	--	12
FEB								
14...	1100	1310	14900	90	92	97	100	1
14...	1130	801	3460	97	98	99	100	26
MAR								
14...	0850	177	1700	74	79	99	100	1
14...	0925	162	682	81	86	92	100	6
APR								
25...	1030	86	657	92	95	97	100	1
25...	1100	73	128	96	97	98	100	2
MAY								
23...	1045	35	32	99	99	99	100	3
JUN								
20...	1100	212	1680	94	96	99	100	1
20...	1115	121	271	99	99	99	100	24

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV								
15...	0900	12	28	75	100	--	--	--
DEC								
20...	0920	0	15	73	98	100	--	--
JAN								
18...	1000	1	41	87	100	--	--	--
18...	1030	69	98	100	--	--	--	--
FEB								
14...	1100	1	15	64	71	--	72	100
14...	1130	76	93	100	--	--	--	--
MAR								
14...	0850	4	94	99	100	--	--	--
14...	0925	56	98	100	--	--	--	--
APR								
25...	1030	2	53	88	100	--	--	--
25...	1100	3	56	87	100	--	--	--
MAY								
23...	1045	3	38	90	100	--	--	--
JUN								
20...	1100	2	16	87	100	--	--	--
20...	1115	58	96	99	100	--	--	--

07040450 ST. FRANCIS RIVER AT LAKE CITY, ARK.

LOCATION.--Lat 35°49'16", long 90°25'56", in SE ¼ sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 18 at Lake City, and at mile 173.6.

DRAINAGE AREA.--2,374 mi².

PERIOD OF RECORD.--April 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
OCT										
12...	0730	80513	80513	--	4.14	1050	0.10	215	7.8	15.5
NOV										
15...	1040	80513	80513	--	2.46	413	0.10	290	5.7	13.0
DEC										
20...	1115	80513	80513	--	6.04	1350	0.20	204	7.6	6.0
JAN										
18...	1230	80513	80513	67	7.76	1810	0.20	129	7.5	7.0
18...	1300	80513	80513	68	--	5190	0.10	141	7.3	7.0
FEB										
14...	1345	80513	80513	67	8.87	2560	0.10	44	7.1	7.0
14...	1400	80513	80513	68	--	5100	0.40	128	7.4	5.5
MAR										
14...	1140	80513	80513	67	8.09	1990	0.10	150	7.6	11.0
14...	1200	80513	80513	68	--	7880	0.10	117	7.3	10.5
APR										
25...	1300	80513	80513	67	6.26	1450	0.20	209	7.8	22.0
25...	1345	80513	80513	68	--	2080	0.20	165	7.6	20.0
MAY										
23...	1315	80513	80513	--	5.40	1550	0.10	160	7.1	21.0
JUN										
20...	1400	80513	80513	67	6.73	1420	0.10	131	7.3	22.5
20...	1430	80513	80513	68	--	2790	0.10	140	7.3	23.0
JUL										
18...	0800	80513	80513	--	4.44	880	0.20	253	7.6	25.0
AUG										
22...	0830	80513	80513	--	1.82	407	0.20	354	7.9	27.0
SEP										
19...	0745	80513	80513	--	4.03	906	0.20	177	7.5	19.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
12...	0730	7.9	79	764	44	125	85	85	91
NOV									
15...	1040	8.7	83	756	88	98	92	93	96
DEC									
20...	1115	10.1	82	757	15	55	78	78	91
JAN									
18...	1230	12.4	102	760	117	570	85	86	96
18...	1300	12.4	102	760	118	1650	89	89	93
FEB									
14...	1345	8.6	71	760	286	1980	97	97	99
14...	1400	11.0	87	760	105	1450	84	84	89
MAR									
14...	1140	8.1	75	745	93	500	90	90	94
14...	1200	9.1	83	745	89	1890	78	83	87
APR									
25...	1300	6.8	78	756	39	153	83	87	93
25...	1345	6.8	75	756	110	618	93	97	99
MAY									
23...	1315	6.3	71	754	422	1770	47	49	92
JUN									
20...	1400	6.1	71	754	82	314	98	99	99
20...	1430	5.8	68	754	90	678	99	99	100
JUL									
18...	0800	5.4	66	756	73	173	93	93	97
AUG									
22...	0830	5.7	72	757	61	67	99	99	100
SEP									
19...	0745	6.8	74	757	--	--	--	--	--

07040450 ST. FRANCIS RIVER AT LAKE CITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
12...	0730	100	--	4	12	70	98	100	--
NOV									
15...	1040	100	--	3	4	84	99	100	--
DEC									
20...	1115	100	--	2	3	25	66	98	100
JAN									
18...	1230	100	--	1	3	65	99	100	--
18...	1300	100	--	5	24	89	97	100	--
FEB									
14...	1345	100	--	4	5	74	98	100	--
14...	1400	95	100	1	2	75	99	100	--
MAR									
14...	1140	100	--	3	4	58	96	100	--
14...	1200	100	--	1	2	56	99	100	--
APR									
25...	1300	100	--	2	4	70	99	100	--
25...	1345	100	--	1	1	53	98	100	--
MAY									
23...	1315	99	100	32	22	84	97	100	--
JUN									
20...	1400	100	--	15	27	84	98	100	--
20...	1430	--	--	2	4	19	87	100	--
JUL									
18...	0800	100	--	5	16	86	98	100	--
AUG									
22...	0830	--	--	7	10	78	99	100	--
SEP									
19...	0745	--	--	5	11	88	99	100	--

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, ARK.

LOCATION.--Lat 35°51'39", long 90°19'49", in SW ¼ SE ¼ sec.3, T.14 N., R.7 E., Craighead County, Hydrologic Unit 08020203, at bridge on county road south of State Highway 18, 2.1 mi southeast of Monette.

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)
NOV 15.	1130	80513	80513	24.00	106	0.10	431	6.1	15.0
DEC 20.	1155	80513	80513	26.65	496	0.20	417	7.7	6.0
JAN 18.	1400	80513	80513	28.10	836	0.10	379	7.7	10.0
FEB 14.	1515	80513	80513	29.42	2530	0.10	107	7.4	8.5
MAR 14.	1345	80513	80513	28.45	891	0.10	389	8.0	16.0
APR 25.	1430	80513	80513	26.45	389	0.30	425	8.1	21.0
MAY 23.	1400	80513	80513	24.05	250	0.70	320	7.8	22.0
JUN 20.	1700	80513	80513	27.05	472	0.30	325	7.9	25.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV 15.	1130	8.0	80	755	108	31	92	92
DEC 20.	1155	9.7	79	757	59	79	93	93
JAN 18.	1400	7.9	70	760	96	217	88	88
FEB 14.	1515	8.5	73	760	413	2820	96	97
MAR 14.	1345	7.4	77	745	75	180	88	88
APR 25.	1430	7.8	88	756	53	56	89	95
MAY 23.	1400	8.0	93	754	52	35	98	98
JUN 20.	1700	8.4	103	754	133	169	68	74

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV 15.	1130	95	100	18	22	85	98	100
DEC 20.	1155	97	100	-	89	94	98	100
JAN 18.	1400	90	100	40	55	87	95	100
FEB 14.	1515	97	100	44	65	93	97	100
MAR 14.	1345	94	100	31	47	75	94	100
APR 25.	1430	100	--	14	21	59	95	100
MAY 23.	1400	99	100	31	48	87	98	100
JUN 20.	1700	94	100	32	45	88	99	100

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, ARK.

LOCATION.--Lat 35°40'20", long 90°29'12", in SW ¼ sec.10, T.12 N., R.7 E., Poinsett County, Hydrologic Unit 08020204, at bridge on State Highway 135 at Rivervale, 9.0 mi upstream from St. Francis River.

DRAINAGE AREA.--2,106 mi².

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)
OCT									
12.	0900	80513	80513	2.47	1830	0.10	292	8.0	15.5
NOV									
15.	1230	80513	80513	2.32	1000	0.10	369	6.5	13.0
DEC									
20.	1300	80513	80513	2.45	1190	0.20	409	7.6	6.5
JAN									
19.	0900	80513	80513	9.07	12700	0.10	115	7.5	5.5
FEB									
15.	0745	80513	80513	8.85	9610	0.10	84	7.1	7.5
MAR									
15.	0740	80513	80513	9.32	11000	0.10	136	7.7	12.0
APR									
26.	0900	80513	80513	2.85	2080	0.20	385	8.3	22.0
MAY									
24.	0845	80513	80513	3.01	1970	0.50	350	8.0	24.5
JUN									
21.	1000	80513	80513	8.52	8770	0.10	142	7.3	25.0
JUL									
18.	1000	80513	80513	2.40	1070	0.20	426	8.0	27.0
AUG									
22.	1000	80513	80513	2.14	679	0.20	380	8.2	29.0
SEP									
19.	0915	80513	80513	2.16	674	0.20	322	7.9	22.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT								
12.	0900	8.1	81	765	39	193	97	97
NOV								
15.	1230	8.3	80	755	46	124	98	98
DEC								
20.	1300	9.8	80	757	43	138	97	97
JAN								
19.	0900	8.8	70	762	240	8230	91	94
FEB								
15.	0745	9.6	80	762	644	16700	93	94
MAR								
15.	0740	8.7	81	759	226	6710	96	98
APR								
26.	0900	8.2	95	756	50	281	97	97
MAY								
24.	0845	7.8	95	751	69	367	100	--
JUN								
21.	1000	5.3	65	754	193	4570	97	98
JUL								
18.	1000	7.3	92	757	42	121	99	99
AUG								
22.	1000	7.2	94	758	49	90	99	99
SEP								
19.	0915	8.2	94	759	53	96	99	99

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT								
12.	0900	100	--	22	62	97	100	--
NOV								
15.	1230	98	100	22	45	96	100	--
DEC								
20.	1300	98	100	1	4	14	75	100
JAN								
19.	0900	98	100	0	1	49	94	100
FEB								
15.	0745	99	100	2	3	79	98	100
MAR								
15.	0740	100	--	98	99	99	100	--
APR								
26.	0900	98	100	2	3	34	91	100
MAY								
24.	0845	--	--	36	66	97	99	100
JUN								
21.	1000	99	100	4	11	97	99	100
JUL								
18.	1000	100	--	5	9	97	99	100
AUG								
22.	1000	100	--	99	100	--	--	--
SEP								
19.	0915	100	--	43	54	98	99	100

07047800 ST. FRANCIS RIVER AT PARKIN, ARK.

(National stream-quality accounting network station)

LOCATION.--Lat 35°16'23", long 90°33'33", in NE¼SE¼ sec.33, T.8 N., R.5 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River, and at mile 102.0.

DRAINAGE AREA.--Indeterminate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1982, and October 1985 to current year in reports of Geological Survey. January 1930 to date in reports of Mississippi River Commission. Gage-height records since 1892 in reports of Mississippi River Commission and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 175.30 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 10, 1948, nonrecording gage, and Sept. 11, 1948, to Apr. 24, 1968, water-stage recorder, at site 1.8 mi downstream at present datum.

REMARKS.--The greater part of St. Francis River floodflow is diverted through St. Francis River floodway at lock and dam about 40.0 mi northwest of Marked Tree, and is not included in records for this station. Diverted flow is included in records for St. Francis Bay at Riverfront (station 07047900) and returns to the St. Francis River downstream from Marianna. Some regulation since Apr. 1, 1941, by Wappapello Lake (Missour) 207 mi upstream, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River.

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--56 years (1931-82, 86-89), 2,705 ft^3/s, 1,960,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft^3/s Jan. 31, 1930; maximum gage height, 34.2 ft Feb. 4-6, 1937, backwater from Mississippi River; minimum discharge, 174 ft^3/s Nov. 12, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 41.6 ft Apr. 4-6, 1897 (not comparable to stages since 1930 because of levee construction).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,000 ft^3/s Feb. 21, gage height, 25.26 ft; minimum daily, 226 ft^3/s Sept. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1890	1160	8240	6880	1960	6050	9090	4040	1500	3170	1390	555
2	2180	1140	6170	5040	2020	5030	7980	3260	1430	4520	1410	541
3	2400	1140	4000	3080	4130	4260	6320	2560	1410	5530	1300	505
4	2350	1140	2320	1850	7870	3660	6720	2370	1600	5840	1250	458
5	2240	1140	1440	1280	8920	4340	7610	2390	3120	5370	1150	402
6	2180	1140	1100	1640	8780	6160	7320	2430	3940	4440	1080	366
7	2110	1140	949	2520	7700	6970	6080	2450	3250	3750	1030	354
8	2000	1160	861	3260	5810	6680	4640	2460	2460	3690	910	371
9	1870	1180	799	3010	3720	5480	3620	2490	2060	3160	673	364
10	1790	1230	745	2540	2440	4190	3120	2650	1930	2780	572	371
11	1760	1280	701	2350	1830	3140	2850	2790	1880	2490	553	360
12	1730	1250	666	4760	1560	2520	2690	2650	1870	2150	554	359
13	1690	1280	632	7760	1910	2130	2590	2490	2260	1910	545	381
14	1690	1270	600	9340	6200	1830	2520	2380	3700	1880	533	490
15	1680	1240	575	10400	10800	1610	2470	2300	4700	1810	535	617
16	1670	1210	550	10400	13400	1440	2420	2250	5190	1680	544	778
17	1650	1200	527	9760	14200	1230	2370	2210	5140	1590	552	604
18	1550	1280	508	8800	14500	1140	2320	2160	4750	1530	548	483
19	1320	5370	490	7530	14200	1070	2270	2120	6090	1840	562	391
20	1200	11300	474	5680	14200	1050	2220	2100	6260	2150	577	329
21	1170	13500	468	3710	14900	1280	2190	2160	5730	2160	580	292
22	1150	14000	464	2210	14600	1490	2170	2300	4720	1870	576	268
23	1210	13800	546	1430	13900	1470	2100	3660	3720	1650	615	263
24	1290	13100	868	1120	13100	1300	2030	4280	3160	1490	691	267
25	1210	12100	1740	995	11800	1660	1900	3500	2940	1400	1010	269
26	1140	11600	1970	983	10200	2050	1980	2530	2810	1330	1170	255
27	1120	12200	1500	1430	8600	2190	1960	2050	2720	1260	1340	234
28	1220	12000	4430	1840	7290	2340	2000	2130	2880	1210	1090	226
29	1360	11400	7180	1640	---	5540	2590	2370	3120	1180	760	256
30	1260	10100	7990	1380	---	8020	3930	2100	3100	1150	618	1180
31	1200	---	7700	1670	---	9140	---	1760	---	1140	572	---
TOTAL	50280	162050	67203	126286	240540	106460	110070	79390	99440	77120	25290	12589
MEAN	1622	5402	2168	4074	8591	3434	3669	2561	3315	2488	816	420
MAX	2400	14000	8240	10400	14900	9140	9090	4280	6260	5840	1410	1180
MIN	1120	1140	464	983	1560	1050	1900	1760	1410	1140	533	226
AC-FT	99730	321400	133300	250500	477100	211200	218300	157500	197200	153000	50160	24970

CAL YR 1988 TOTAL 958656 MEAN 2619 MAX 17500 MIN 395 AC-FT 1901000
WTR YR 1989 TOTAL 1156720 MEAN 3169 MAX 14900 MIN 226 AC-FT 2294000

07047800 ST. FRANCIS RIVER AT PARKIN, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1973 to September 1981.
WATER TEMPERATURES: January 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 17...	1130	80513	80020	1630	291	7.6	17.0	20	8.2	85
DEC 05...	1000	80513	80020	1410	194	7.1	7.5	120	8.4	70
FEB 27...	0900	80513	80020	9830	79	5.8	5.5	190	10.2	82
APR 17...	1010	80513	80020	2310	314	8.0	17.0	71	8.5	88
JUN 12...	1100	80513	80020	1590	352	8.1	25.5	57	6.0	73
AUG 28...	1200	80513	80020	930	328	8.0	30.0	57	5.2	69

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 17...	1130	760	K200	520	130	35	11	8.3	12	0.3
DEC 05...	1000	765	K160	210	84	23	6.3	6.9	15	0.3
FEB 27...	0900	755	220	270	29	8.0	2.2	3.3	20	0.3
APR 17...	1010	760	K210	560	150	41	11	8.5	11	0.3
JUN 12...	1100	756	K88	680	160	44	12	11	13	0.4
AUG 28...	1200	760	320	480	150	41	12	8.9	11	0.3

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 17...	1130	2.8	134	0	165	135	7.1	16	0.10	14
DEC 05...	1000	1.7	76	0	95	78	3.5	17	0.10	11
FEB 27...	0900	0.40	25	0	29	24	2.1	3.9	0.10	4.8
APR 17...	1010	1.7	133	0	165	135	6.3	15	0.20	15
JUN 12...	1100	2.0	155	0	190	156	9.6	18	0.20	15
AUG 28...	1200	4.0	135	0	165	135	3.5	15	0.20	15

07047800 ST. FRANCIS RIVER AT PARKIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 17...	1130	183	175	0.25	805	--	--	--	--	--
DEC 05...	1000	130	119	0.18	495	0.190	0.010	0.200	0.180	0.060
FEB 27...	0900	69	41	0.09	1830	0.170	0.010	0.180	0.160	0.020
APR 17...	1010	187	182	0.25	1170	0.260	0.020	0.280	0.040	C.020
JUN 12...	1100	211	207	0.29	906	0.370	0.020	0.390	0.020	<0.010
AUG 28...	1200	200	183	0.27	502	0.240	0.020	0.260	0.050	0.040

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC 05...	1000	0.62	0.80	0.380	0.140	130	2	420	<0.5	1
FEB 27...	0900	1.1	1.3	0.350	0.100	400	1	260	<0.5	<1
APR 17...	1010	0.36	0.40	0.140	0.080	60	2	300	<0.5	<1
JUN 12...	1100	--	<0.20	<0.010	0.080	--	--	--	--	--
AUG 28...	1200	0.65	0.70	0.210	0.110	20	3	210	<0.5	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
DEC 05...	1000	<3	4	180	<5	10	52	<0.1	<10	9
FEB 27...	0900	<3	2	290	<5	<4	14	<0.1	<10	1
APR 17...	1010	<3	1	59	<5	5	9	<0.1	<10	3
AUG 28...	1200	<3	3	31	2	7	5	0.1	<10	2

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 17...	1130	--	--	--	--	--	39	172	88
DEC 05...	1000	<1	<1.0	96	<6	100	167	636	97
FEB 27...	0900	<1	<1.0	39	<6	95	182	4830	98
APR 17...	1010	<1	1.0	170	<6	65	157	979	86
JUN 12...	1100	--	--	--	--	--	163	700	86
AUG 28...	1200	<1	<1.0	190	<6	85	150	377	85

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, ARK.

LOCATION.--Lat 35°32'15", long 90°29'05", in SE ¼ NE ¼ sec.31, T.11 N., R.6 E., Poinsett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63, 3.6 mi northwest of Marked Tree.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV											
16...	0800	80513	80513	--	6.66	480	0.10	309	6.8	13.5	9.4
DEC											
21...	0750	80513	80513	67	14.18	4530	0.20	251	7.1	6.5	10.5
21...	0815	80513	80513	68	--	789	0.10	--	--	6.5	--
21...	0845	80513	80513	68	--	105	0.10	--	--	7.0	--
JAN											
19...	0845	80513	80513	67	23.95	11000	0.10	125	7.5	6.0	9.9
19...	0915	80513	80513	68	--	2870	0.10	125	7.9	6.0	9.7
19...	0945	80513	80513	68	--	3910	0.10	--	--	6.0	--
19...	1015	80513	80513	68	--	3190	0.10	--	--	6.0	--
19...	1030	80513	80513	68	--	423	0.10	--	--	6.0	--
FEB											
15...	0845	80513	80513	67	23.01	11200	0.20	133	7.3	6.0	9.2
15...	0915	80513	80513	68	--	1400	0.20	132	7.3	7.0	9.4
15...	0945	80513	80513	68	--	3950	0.10	--	--	6.5	--
15...	1015	80513	80513	68	--	1850	0.10	--	--	6.5	--
15...	1030	80513	80513	68	--	289	0.10	--	--	8.0	--
MAR											
15...	0850	80513	80513	67	24.55	11800	0.10	102	7.4	10.5	9.2
15...	0910	80513	80513	68	--	3910	0.10	101	7.6	10.0	9.2
15...	0925	80513	80513	68	--	5150	0.10	--	--	10.0	--
15...	0950	80513	80513	68	--	6230	0.10	--	--	10.0	--
15...	1010	80513	80513	68	--	842	0.10	--	--	10.5	--
APR											
26...	1030	80513	80513	67	13.50	4000	0.20	241	7.9	22.0	6.8
26...	1100	80513	80513	68	--	688	0.20	--	--	22.0	--
MAY											
24...	1000	80513	80513	67	11.22	3340	0.60	265	7.7	23.0	7.6
24...	1100	80513	80513	68	--	590	0.60	270	7.8	23.5	7.8
JUN											
21...	1115	80513	80513	67	19.50	8060	0.10	142	7.3	24.5	5.2
21...	1130	80513	80513	68	--	2440	0.10	--	--	24.0	--
21...	1145	80513	80513	68	--	108	0.10	--	--	26.0	--
21...	1200	80513	80513	68	--	203	0.10	--	--	25.0	--

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
NOV										
16...	0800	91	757	43	56	97	97	97	100	--
DEC										
21...	0750	85	765	29	355	58	61	71	100	--
21...	0815	--	--	26	55	92	92	92	100	--
21...	0845	--	--	39	11	96	96	96	100	--
JAN										
19...	0845	80	762	174	5170	82	86	94	100	--
19...	0915	78	762	153	1190	89	89	96	100	--
19...	0945	--	--	217	2290	94	94	95	100	--
19...	1015	--	--	239	2060	95	95	99	100	--
19...	1030	--	--	299	341	89	89	95	100	--
FEB										
15...	0845	74	762	122	3690	77	81	93	98	100
15...	0915	77	762	117	442	86	86	86	91	100
15...	0945	--	--	277	2950	83	90	92	96	100
15...	1015	--	--	326	1630	93	93	94	99	100
15...	1030	--	--	436	340	94	94	95	100	--
MAR										
15...	0850	83	760	215	6850	53	54	59	99	100
15...	0910	82	760	167	1760	88	88	89	94	100
15...	0925	--	--	186	2590	95	95	97	100	--
15...	0950	--	--	323	5430	94	97	100	--	--
15...	1010	--	--	351	798	94	94	98	100	--
APR										
26...	1030	78	756	82	886	88	90	94	98	100
26...	1100	--	--	74	137	95	95	97	100	--
MAY										
24...	1000	90	750	85	767	97	97	99	100	--
24...	1100	93	753	85	135	100	--	--	--	--
JUN										
21...	1115	63	755	141	3070	79	84	96	100	--
21...	1130	--	--	133	876	93	96	99	100	--
21...	1145	--	--	119	35	99	100	--	--	--
21...	1200	--	--	203	111	99	99	100	--	--

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
NOV										
16...	0800	21	43	92	99	100	--	--	--	--
DEC										
21...	0750	12	54	97	100	--	--	--	--	--
21...	0815	1	1	84	99	100	--	--	--	--
21...	0845	35	36	64	96	99	100	--	--	--
JAN										
19...	0845	1	1	40	98	100	--	--	--	--
19...	0915	39	59	90	99	100	--	--	--	--
19...	0945	1	1	41	98	100	--	--	--	--
19...	1015	37	40	56	86	100	--	--	--	--
19...	1030	39	42	62	89	100	--	--	--	--
FEB										
15...	0845	0	0	54	99	100	--	--	--	--
15...	0915	43	60	89	98	100	--	--	--	--
15...	0945	3	3	55	97	100	--	--	--	--
15...	1015	65	70	82	93	100	--	--	--	--
15...	1030	24	27	50	79	83	--	83	86	100
MAR										
15...	0850	3	7	47	91	100	--	--	--	--
15...	0910	33	49	84	96	100	--	--	--	--
15...	0925	80	90	96	100	--	--	--	--	--
15...	0950	92	93	95	97	100	--	--	--	--
15...	1010	53	60	72	88	100	--	--	--	--
APR										
26...	1030	39	54	83	94	100	--	--	--	--
26...	1100	4	5	75	98	100	--	--	--	--
MAY										
24...	1000	4	6	72	97	100	--	--	--	--
24...	1100	5	8	61	99	100	--	--	--	--
JUN										
21...	1115	16	21	65	97	100	--	--	--	--
21...	1130	3	3	58	99	100	--	--	--	--
21...	1145	47	61	82	97	100	--	--	--	--
21...	1200	9	15	65	94	100	--	--	--	--

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, ARK.

LOCATION.--Lat 35°21'38", long 90°39'00", in NE ¼ SE ¼ sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 2.3 mi east of Birdeye.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV									
16.	1100	80513	80513	--	18.16	513	0.10	14.5	41
DEC									
21.	1015	80513	80513	--	25.16	5510	0.10	6.0	117
JAN									
19.	1400	80513	80513	67	36.56	19000	0.10	6.0	246
19.	1430	80513	80513	68	--	950	0.10	6.0	211
FEB									
15.	1330	80513	80513	67	36.50	15200	0.20	6.0	135
15.	1400	80513	80513	68	--	775	0.10	6.0	147
MAR									
15.	1320	80513	80513	67	40.88	20700	0.10	10.5	279
15.	1345	80513	80513	68	--	7900	0.10	12.0	201
APR									
26.	1300	80513	80513	--	24.71	4600	0.20	22.0	63
MAY									
24.	1415	80513	80513	--	22.97	2590	0.60	25.0	90
JUN									
21.	1415	80513	80513	--	30.49	10400	0.10	24.0	167

DATE	TIME	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)
NOV									
16.	1100	57	99	99	100	--	--	1	3
DEC									
21.	1015	1740	89	92	99	100	--	1	1
JAN									
19.	1400	12600	58	61	94	100	--	1	7
19.	1430	541	90	90	94	100	--	97	98
FEB									
15.	1330	5540	83	86	97	100	--	1	1
15.	1400	308	92	92	94	99	100	85	94
MAR									
15.	1320	15600	59	69	98	99	100	6	13
15.	1345	4290	93	94	95	99	100	3	5
APR									
26.	1300	782	100	--	--	--	--	1	2
MAY									
24.	1415	629	99	99	100	--	--	2	3
JUN									
21.	1415	4690	82	87	98	100	--	1	2

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
NOV								
16.	1100	64	97	100	--	--	--	--
DEC								
21.	1015	56	90	93	94	96	100	--
JAN								
19.	1400	97	100	--	--	--	--	--
19.	1430	99	99	100	--	--	--	--
FEB								
15.	1330	87	93	100	--	--	--	--
15.	1400	97	100	--	--	--	--	--
MAR								
15.	1320	82	99	100	--	--	--	--
15.	1345	81	99	100	--	--	--	--
APR								
26.	1300	43	92	100	--	--	--	--
MAY								
24.	1415	27	40	42	42	48	68	100
JUN								
21.	1415	66	99	100	--	--	--	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, ARK

(National stream-quality accounting network station)

LOCATION.--Lat 35°15'34", long 90°40'48", in W½ sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi west of Parkin.

DRAINAGE AREA.--Indeterminate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1982, October 1984 to current year in reports of Geological Survey. January 1935 to date in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 171.25 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 20, 1946, nonrecording gage at present site and datum.

REMARKS.--Part of the flow at this station is diverted from the St. Francis River at lock and dam about 4.0 mi northwest of Marked Tree. Some regulation by Wappapello Lake (Missouri) since Apr. 1, 1941, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River.

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--50 years (1936-75, 78-82, 85-89), 5,395 ft³/s, 3,909,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,100 ft³/s Feb. 2, 1937; maximum gage height, 39.03 ft May 3, 1973 (backwater from Mississippi River); no flow Nov. 17-26, 1941, because of backwater from Mississippi River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45,200 ft³/s Feb. 24, gage height, 38.70 ft; minimum daily, 339 ft³/s Nov. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	409	429	29500	12900	11100	41400	11800	5870	2560	6840	2810	1830
2	1230	392	29700	13300	11500	39500	11900	5760	2890	6920	2610	1990
3	3960	388	29500	13500	15800	37800	12300	5460	2460	7360	2540	1980
4	5030	381	28900	13200	19000	36000	15700	5170	2800	7420	2450	1880
5	4840	361	28000	12500	18400	34900	16600	5200	3280	7360	2380	1830
6	4460	347	26800	12300	17300	33500	15400	5160	3280	7390	2330	1740
7	3670	339	25200	11700	17400	32400	15500	5200	3410	7630	2260	1610
8	2710	387	23100	11800	18400	31600	16600	4900	3300	7310	2360	1440
9	2160	443	19900	12400	19200	31300	17600	4340	3350	6400	2330	1330
10	1660	578	16400	12200	19500	31100	18400	4650	3410	5540	2190	1340
11	1660	657	13200	12100	19600	31000	18700	4790	3260	4940	2140	1430
12	1610	863	10900	16100	19400	30900	18600	4710	2920	4600	2080	1510
13	1540	671	8630	20100	18700	30700	17700	4200	4620	4210	2020	1370
14	1460	530	7080	20600	22400	30100	16400	4120	7160	3880	1950	1500
15	1380	555	6030	21300	24800	29500	14800	3440	8370	3650	1860	1980
16	1320	614	6890	21100	25900	28600	13200	3440	9000	3560	1740	1970
17	1250	843	7010	21200	27000	28000	11800	3490	9660	3480	1680	2010
18	1190	1190	6920	21900	28700	27300	10600	3410	10700	3420	1560	2020
19	1120	11500	6570	22600	31200	26400	9470	3030	14000	3820	1530	2030
20	1060	17100	5590	22900	34800	25100	8010	3270	13600	3570	1380	1980
21	994	18700	5860	22800	39500	23400	6560	3320	13000	3530	1380	1860
22	929	20200	5810	22300	43000	20600	6930	3910	12700	3550	1410	1690
23	864	21900	6630	20800	44700	17900	6630	5310	12600	3900	1440	1660
24	800	22400	6990	18700	45000	15900	6180	5200	12300	3510	1380	1560
25	735	22400	6570	16400	44800	14400	5760	4600	11800	3250	1540	1500
26	681	23900	6020	14600	44400	13300	5710	3980	10800	3110	1700	1430
27	639	26500	5700	13900	43800	12100	5680	3750	9600	3030	1830	1310
28	597	28100	9630	12400	42700	10900	5620	4250	8290	2940	1850	1200
29	555	28700	11300	11700	---	13000	7160	4770	7130	2850	1770	1180
30	513	29000	11100	11100	---	12900	6160	4070	6570	2780	1740	1600
31	471	---	11900	9910	---	11500	---	3040	---	2890	1800	---
TOTAL	51497	280368	423330	500310	768000	803000	353470	135810	218820	144640	60040	49760
MEAN	1661	9346	13660	16140	27430	25900	11780	4381	7294	4666	1937	1659
MAX	5030	29000	29700	22900	45000	41400	18700	5870	14000	7630	2810	2030
MIN	409	339	5590	9910	11100	10900	5620	3030	2460	2780	1380	1180
AC-FT	102100	556100	839700	992400	1523000	1593000	701100	269400	434000	286900	119100	98700

CAL YR 1988 TOTAL 2400114 MEAN 6558 MAX 30500 MIN 230 AC-FT 4761000
WTR YR 1989 TOTAL 3789045 MEAN 10380 MAX 45000 MIN 339 AC-FT 7516000

07047900 ST. FRANCIS BAY AT RIVERFRONT, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to September 1981.
WATER TEMPERATURES: October 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)
OCT											
12...	1130	80513	80513	--	9.35	1780	0.10	213	7.9	16.0	--
17...	1000	80513	80020	--	7.31	526	0.10	326	7.7	18.0	11
NOV											
16...	1145	80513	80513	--	7.73	591	0.10	344	6.9	15.5	--
DEC											
05...	1130	80513	80020	--	30.47	26800	0.10	101	6.9	7.0	84
21...	1120	80513	80513	--	13.86	5540	0.20	256	7.1	6.5	--
JAN											
19...	1530	80513	80513	--	26.58	24100	0.10	122	7.5	7.0	--
FEB											
15...	1600	80513	80513	--	28.43	22900	0.10	103	7.3	6.0	--
27...	1100	80513	80020	--	38.65	53700	0.10	66	6.0	5.0	110
MAR											
15...	1500	80513	80513	67	33.65	23900	0.10	104	7.5	11.5	--
15...	1600	80513	80513	68	--	6920	0.10	91	7.6	14.5	--
APR											
17...	1135	80513	80020	--	19.63	10900	0.10	221	7.8	16.0	42
26...	1400	80513	80513	--	13.57	4700	0.20	291	8.0	24.0	--
MAY											
24...	1230	80513	80513	--	12.23	4280	0.50	210	7.6	25.0	--
JUN											
12...	1235	80513	80020	--	9.76	1920	0.20	302	7.9	24.0	60
21...	1600	80513	80513	--	19.66	10800	0.10	140	7.3	24.5	--
JUL											
18...	1215	80513	80513	--	10.23	2430	0.20	311	8.1	25.5	--
AUG											
22...	1230	80513	80513	--	8.73	1540	0.20	435	8.2	29.5	--
28...	1330	80513	80020	--	9.26	1920	0.10	428	8.2	29.0	17
SEP											
19...	1400	80513	80513	--	9.58	1840	0.70	185	7.6	19.5	--

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT											
12...	1130	8.2	83	766	--	--	--	--	--	--	--
17...	1000	8.0	85	760	K130	410	150	40	12	8.2	11
NOV											
16...	1145	9.3	93	764	--	--	--	--	--	--	--
DEC											
05...	1130	8.5	70	765	K80	570	35	9.1	3.0	3.3	16
21...	1120	10.4	84	765	--	--	--	--	--	--	--
JAN											
19...	1530	10.2	84	762	--	--	--	--	--	--	--
FEB											
15...	1600	10.1	81	762	--	--	--	--	--	--	--
27...	1100	10.7	85	755	K180	230	25	6.3	2.2	3.2	21
MAR											
15...	1500	8.9	82	761	--	--	--	--	--	--	--
15...	1600	8.1	80	759	--	--	--	--	--	--	--
APR											
17...	1135	8.1	82	760	K56	K70	100	28	8.2	6.3	12
26...	1400	6.9	83	756	--	--	--	--	--	--	--
MAY											
24...	1230	6.8	83	753	--	--	--	--	--	--	--
JUN											
12...	1235	7.0	84	757	K44	460	140	37	11	7.5	10
21...	1600	5.2	63	754	--	--	--	--	--	--	--
JUL											
18...	1215	7.5	92	759	--	--	--	--	--	--	--
AUG											
22...	1230	7.9	104	759	--	--	--	--	--	--	--
28...	1330	7.0	91	760	230	450	200	55	15	15	14
SEP											
19...	1400	8.4	92	761	--	--	--	--	--	--	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 17...	1000	0.3	2.2	142	0	173	142	6.8	5.1	0.20	15
DEC 05...	1130	0.2	3.0	42	0	52	43	4.2	18	0.10	7.3
FEB 27...	1100	0.3	0.70	23	0	27	22	2.1	4.9	0.10	4.8
APR 17...	1135	0.3	1.3	101	0	122	100	5.1	12	0.20	9.8
JUN 12...	1235	0.3	1.5	132	0	162	133	5.6	14	0.20	15
AUG 28...	1330	0.5	2.9	128	0	159	130	12	21	0.20	19

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 17...	1000	191	175	0.26	271	--	<0.010	<0.100	0.010	0.010
DEC 05...	1130	106	76	0.14	7670	--	0.030	<0.100	0.090	0.050
FEB 27...	1100	56	40	0.08	8120	0.150	0.020	0.170	0.100	0.020
APR 17...	1135	134	132	0.18	3940	0.110	0.010	0.120	0.020	0.020
JUN 12...	1235	169	172	0.23	876	0.160	0.010	0.170	0.020	0.010
AUG 28...	1330	245	219	0.33	1270	--	<0.010	<0.100	0.020	0.020

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT 17...	1000	0.29	0.30	0.090	0.080	--	--	--	--	--
DEC 05...	1130	0.61	0.70	0.350	0.230	550	2	170	2	<1
FEB 27...	1100	0.90	1.0	0.250	0.120	490	1	220	<0.5	<1
APR 17...	1135	0.38	0.40	0.140	0.060	150	1	290	<0.5	<1
JUN 12...	1235	0.18	0.20	0.100	0.070	--	--	--	--	--
AUG 28...	1330	0.38	0.40	0.140	0.140	10	4	240	<0.5	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
DEC 05...	1130	<3	4	450	<5	9	18	<0.1	<10	7
FEB 27...	1100	<3	<1	310	<5	<4	14	<0.1	<10	<1
APR 17...	1135	<3	6	210	<5	<4	40	<0.1	<10	2
AUG 28...	1330	<3	3	17	1	6	3	0.1	<10	2

07047900 , ST. FRANCIS BAY AT RIVERFRONT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT										
12...	1130	--	--	--	--	--	62	298	84	88
17...	1000	--	--	--	--	--	21	30	--	--
NOV										
16...	1145	--	--	--	--	--	55	88	96	96
DEC										
05...	1130	<1	1.0	38	<6	74	59	4270	--	--
21...	1120	--	--	--	--	--	52	778	83	90
JAN										
19...	1530	--	--	--	--	--	176	11500	78	82
FEB										
15...	1600	--	--	--	--	--	243	15000	72	73
27...	1100	<1	<1.0	31	<6	77	107	15500	--	--
MAR										
15...	1500	--	--	--	--	--	382	24700	45	50
15...	1600	--	--	--	--	--	244	4560	96	96
APR										
17...	1135	<1	<1.0	97	<6	57	111	3270	--	--
26...	1400	--	--	--	--	--	76	964	89	94
MAY										
24...	1230	--	--	--	--	--	153	1770	95	96
JUN										
12...	1235	--	--	--	--	--	161	835	--	--
21...	1600	--	--	--	--	--	164	4780	80	86
JUL										
18...	1215	--	--	--	--	--	135	886	78	82
AUG										
22...	1230	--	--	--	--	--	79	328	100	--
28...	1330	<1	<1.0	210	<6	41	106	550	--	--
SEP										
19...	1400	--	--	--	--	--	116	576	90	93

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
12...	1130	100	--	--	--	1	2	88	99	100
17...	1000	--	--	--	96	--	--	--	--	--
NOV										
16...	1145	96	100	--	--	0	0	28	96	100
DEC										
05...	1130	--	--	--	94	--	--	--	--	--
21...	1120	98	100	--	--	0	0	42	99	100
JAN										
19...	1530	97	100	--	--	1	1	38	97	100
FEB										
15...	1600	93	99	100	--	1	1	57	96	100
27...	1100	--	--	--	92	--	--	--	--	--
MAR										
15...	1500	93	100	--	--	2	2	33	94	100
15...	1600	97	100	--	--	68	70	74	94	100
APR										
17...	1135	--	--	--	77	--	--	--	--	--
26...	1400	98	100	--	--	1	2	68	98	100
MAY										
24...	1230	100	--	--	--	1	1	69	99	100
JUN										
12...	1235	--	--	--	84	--	--	--	--	--
21...	1600	97	100	--	--	1	2	57	99	100
JUL										
18...	1215	94	100	--	--	1	2	16	85	100
AUG										
22...	1230	--	--	--	--	3	4	16	92	100
28...	1330	--	--	--	52	--	--	--	--	--
SEP										
19...	1400	98	100	--	--	1	1	33	92	100

07047904 CLARK CORNER CUTOFF NEAR COLT, ARK

LOCATION.--Lat 35 08'41", long 90 39'23", in NW ¼ NE ¼ sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 080203, at bridge on Old Military Road 9.0 mi east of Colt.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV											
16...	1410	80513	80513	18.03	605	0.10	15.5	60	98	94	96
DEC											
22...	0730	80513	80513	24.19	5670	0.10	7.0	39	597	91	93
JAN											
20...	1030	80513	80513	37.82	21600	0.10	6.5	258	15000	62	66
FEB											
16...	0900	80513	80513	39.89	27100	0.10	6.0	221	16200	65	68
MAR											
16...	0715	80513	80513	45.11	31200	0.10	10.5	161	13600	81	83
APR											
27...	0900	80513	80513	24.84	4860	0.20	22.5	79	1040	98	98
MAY											
25...	0945	80513	80513	23.74	3440	0.10	24.0	121	1120	100	--
JUN											
22...	0915	80513	80513	30.89	11000	0.10	24.5	237	7040	70	86

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV										
16...	1410	98	100	--	2	4	71	98	100	--
DEC										
22...	0730	97	100	--	8	22	51	90	98	100
JAN										
20...	1030	94	98	100	0	0	79	98	100	--
FEB										
16...	0900	97	100	--	2	2	45	94	100	--
MAR										
16...	0715	98	100	--	0	0	22	88	100	--
APR										
27...	0900	98	100	--	1	1	10	79	100	--
MAY										
25...	0945	--	--	--	5	7	62	98	100	--
JUN										
22...	0915	97	99	100	75	93	96	98	100	--

07047907 ST. FRANCIS RIVER AT MADISON, ARK.

LOCATION.--Lat 35°00'38", long 90°43'05", in NE ¼ SW ¼ sec.30, T.5 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on State Highway 50 at Madison.

PERIOD OF RECORD.--October 1977 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT										
12...	1445	80513	80513	1940	0.10	154	8.1	16.0	--	8.3
25...	0930	9827	9827	420	--	--	7.0	14.0	35	9.1
NOV										
16...	1300	80513	80513	668	0.10	348	6.8	15.5	--	9.4
29...	1000	9827	9827	5100	--	--	7.7	10.0	95	8.3
DEC										
22...	0850	80513	80513	5070	0.10	254	7.6	7.5	--	10.6
27...	0850	9827	9827	5400	--	--	6.8	11.0	45	9.9
JAN										
10...	1010	9827	9827	1300	--	--	7.4	9.0	180	9.4
20...	0900	80513	80513	1300	0.10	122	7.7	6.5	--	10.1
FEB										
16...	1100	80513	80513	5200	0.10	112	7.5	6.5	--	10.2
21...	1010	9827	9827	3500	--	--	7.4	5.0	--	10.8
MAR										
16...	0900	80513	80513	0700	0.10	101	7.3	11.0	--	9.4
28...	1115	9827	9827	1100	--	--	7.7	17.0	60	8.2
APR										
18...	1010	9827	9827	6400	--	--	7.6	18.0	55	8.2
27...	1030	80513	80513	5130	0.20	290	7.8	23.0	--	6.6
MAY										
23...	1020	9827	9827	4050	--	--	7.8	23.0	120	7.5
25...	0745	80513	80513	3800	0.20	245	7.9	24.0	--	7.6
JUN										
22...	1100	80513	80513	1300	0.20	146	7.4	24.5	--	5.2
27...	1105	9827	9827	0600	--	--	7.6	28.0	60	5.8
JUL										
19...	0830	80513	80513	3100	0.20	269	8.0	25.0	--	6.9
25...	1000	9827	9827	2150	--	--	8.0	27.0	60	7.3
AUG										
22...	1050	9827	9827	1540	--	--	8.3	28.0	--	7.2
23...	0900	80513	80513	1580	0.20	411	8.1	29.0	--	6.4
SEP										
19...	1110	9827	9827	2050	--	--	8.1	22.0	65	8.4
20...	0900	80513	80513	2020	0.10	275	7.6	20.5	--	8.6

07047907 ST. FRANCIS RIVER AT MADISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
12...	1445	84	--	767	--	--	--	--	--	--
25...	0930	--	2.1	--	7.0	18	--	38	0.050	0.030
NOV										
16...	1300	95	--	756	--	--	--	--	--	--
29...	1000	--	1.9	--	3.0	8.0	106	49	0.100	0.090
DEC										
22...	0850	88	--	765	--	--	--	--	--	--
27...	0850	--	1.4	--	6.0	16	188	34	0.100	0.040
JAN										
10...	1010	--	1.5	--	2.5	14	180	123	0.260	0.100
20...	0900	82	--	766	--	--	--	--	--	--
FEB										
16...	1100	82	--	772	--	--	--	--	--	--
21...	1010	--	1.3	--	1.5	7.0	--	--	0.290	0.180
MAR										
16...	0900	85	--	762	--	--	--	--	--	--
28...	1115	--	1.7	--	4.5	--	152	72	0.210	0.010
APR										
18...	1010	--	1.2	--	5.5	--	161	44	0.070	<0.010
27...	1030	78	--	755	--	--	--	--	--	--
MAY										
23...	1020	--	2.4	--	5.2	82	185	160	0.250	0.010
25...	0745	92	--	751	--	--	--	--	--	--
JUN										
22...	1100	63	--	757	--	--	--	--	--	--
27...	1105	--	1.3	--	5.6	9.0	144	58	0.270	0.020
JUL										
19...	0830	85	--	754	--	--	--	--	--	--
25...	1000	--	2.0	--	7.0	10	205	95	0.170	<0.050
AUG										
22...	1050	--	2.3	--	8.4	22	246	--	<0.020	<0.050
23...	0900	84	--	757	--	--	--	--	--	--
SEP										
19...	1110	--	2.1	--	9.8	16	179	95	0.180	--
20...	0900	96	--	759	--	--	--	--	--	--

DATE	TIME	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
25...	0930	0.160	0.090	<1	<1	<15	8	<0.50	10	7.1
NOV										
29...	1000	0.370	0.270	<1	1	<15	6	--	10	5.8
DEC										
27...	0850	0.180	0.080	<1	--	<15	--	--	<10	4.7
JAN										
10...	1010	0.370	0.220	1	1	15	13	--	--	8.8
FEB										
21...	1010	0.290	0.210	<1	<1	<15	5	--	--	4.0
MAR										
28...	1115	0.160	0.040	--	<1	18	--	--	10	5.3
APR										
18...	1010	--	0.070	<1	1	<15	58	--	20	7.4
MAY										
23...	1020	0.270	0.190	<1	2	<15	2	--	40	7.1
JUN										
27...	1105	--	0.140	<1	2	22	29	--	40	7.4
JUL										
25...	1000	0.250	0.050	<1	<1	21	--	--	10	5.9
AUG										
22...	1050	0.230	0.120	1	6	26	--	--	20	--
SEP										
19...	1110	0.260	0.080	<1	2	--	--	<0.40	10	5.3

07047907 ST. FRANCIS RIVER AT MADISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT									
12...	1445	63	330	96	99	100	--	--	1
NOV							--	--	2
NOV									
16...	1300	40	72	99	99	100			
29...	1000	--	--	--	--	--	100	--	1
DEC									
22...	0850	41	561	97	98	99	100	--	0
JAN							99	100	1
JAN									
20...	0900	202	1600	79	82	95	100	--	2
FEB									
16...	1100	244	5600	76	77	97	--	--	1
MAR							--	--	4
MAR									
16...	0900	169	4000	88	89	98			
28...	1115	--	--	--	--	--	100	--	2
APR									
18...	1010	--	--	--	--	--	--	--	3
27...	1030	98	1360	99	99	100			
MAY							--	--	7
MAY									
25...	0745	139	1430	99	99	100	--	--	4
JUN									
22...	1100	168	5130	96	98	99			
JUL									
19...	0830	171	1430	100	--	--			
AUG									
23...	0900	93	397	99	99	100			
SEP									
20...	0900	172	938	100	--	--			

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT									
12...	1445	2	80	93	100	--	--	--	--
NOV		4	70	93	100	--	--	--	--
NOV									
29...	1000	1	9	22	50	51	70	94	100
DEC									
22...	0850	0	77	99	100	--	--	--	--
JAN		1	38	84	100	--	--	--	--
JAN									
20...	0900	6	97	99	100	--	--	--	--
FEB									
16...	1100	1	13	79	100	--	--	--	--
MAR		6	46	56	75	75	94	100	--
MAR									
28...	1115	4	19	82	100	--	--	--	--
APR									
18...	1010	5	11	52	100	--	--	--	--
MAY		13	32	68	100	--	--	--	--
MAY									
25...	0745	8	26	69	100	--	--	--	--

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.

LOCATION.--Lat 35°08'40", long 90°52'42", in NE¼NW¼ sec.15, T.6 N.,R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State Highway 306, 1.1 mi downstream from Lick Creek, 3.9 mi northwest of Colt, and at mile 52.8.

DRAINAGE AREA.--535 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 192.52 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--19 years, 762 ft³/s, 19.34 in/yr, 552,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,300 ft³/s Dec. 30, 1987, gage height, 17.34 ft, from floodmark; minimum, 0.99 ft³/s July 20, 1980, gage height, 2.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,440 ft³/s Nov. 21, gage height, 15.30 ft; minimum, 39 ft³/s Nov. 15, 16, May 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1120	253	5600	2430	849	3190	2710	134	235	562	196	251
2	1190	238	5040	2160	819	2860	2480	139	199	577	179	303
3	1420	200	4590	1930	1560	2570	2170	151	151	512	161	339
4	1650	159	4130	1740	2330	2310	2710	168	123	461	146	375
5	1700	109	3670	1570	2910	2790	2610	205	274	423	132	406
6	1590	80	3220	1420	3110	3470	2560	213	311	395	117	420
7	1410	65	2830	1280	3070	3670	2470	198	398	462	97	415
8	1220	67	2480	1420	2690	3710	2240	196	436	524	88	401
9	1040	81	2170	1350	2360	3590	2000	292	416	463	83	383
10	919	85	1900	1260	2100	3370	1800	314	380	402	71	400
11	857	57	1670	1140	1850	3130	1600	281	354	348	57	381
12	793	69	1450	1570	1610	2380	1400	257	327	304	54	351
13	714	51	1240	1810	1440	2640	1170	211	304	269	57	330
14	631	43	1030	2370	3810	2410	973	153	273	227	65	636
15	527	40	922	3150	5880	2180	896	104	265	182	67	795
16	429	41	868	3100	8360	1960	823	75	309	156	70	844
17	364	e55	813	2940	7880	1730	747	57	378	134	70	851
18	312	220	753	2620	7390	1580	654	48	442	115	73	861
19	279	2630	688	2290	6220	1410	555	42	1170	293	89	849
20	225	8000	610	2020	6280	1270	453	62	969	321	95	796
21	158	9180	526	1810	7760	1390	381	133	832	306	103	713
22	108	8140	442	1610	6840	1200	318	351	764	318	107	623
23	165	6790	420	1420	6060	967	261	491	709	328	104	537
24	322	5900	397	1230	5250	889	193	408	654	311	140	451
25	280	5330	406	1030	4590	823	140	418	605	289	156	389
26	270	6760	492	938	4070	744	109	413	558	283	163	334
27	274	8270	617	921	3810	684	85	385	545	279	173	287
28	301	7810	1700	917	3640	697	71	340	570	270	196	241
29	283	7180	2190	931	---	2140	111	304	568	258	217	208
30	254	6320	2540	918	---	2400	117	284	507	240	229	482
31	252	---	2630	883	---	2790	---	263	---	212	243	---
TOTAL	21057	84223	58034	52178	114538	67444	34807	7090	14026	10224	3798	14652
MEAN	679	2807	1872	1683	4091	2176	1160	229	468	330	123	488
MAX	1700	9180	5600	3150	8360	3710	2710	491	1170	577	243	861
MIN	108	40	397	883	819	684	71	42	123	115	54	208
AC-FT	41770	167100	115100	103500	227200	133800	69040	14060	27820	20280	7530	29060
CFSM	1.27	5.25	3.50	3.15	7.65	4.07	2.17	.43	.87	.62	.23	.91
IN.	1.46	5.86	4.04	3.63	7.96	4.69	2.42	.49	.98	.71	.26	1.02

CAL YR 1988 TOTAL 335274.0 MEAN 916 MAX 11000 MIN 9.0 AC-FT 665000 CFSM 1.71 IN. 23.31
WTR YR 1989 TOTAL 482071 MEAN 1321 MAX 9180 MIN 40 AC-FT 956200 CFSM 2.47 IN. 33.52

e Estimated

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
12...	1330	80513	80513	--	11.35	938	0.30	209	7.4	15.5	7.0
18...	1130	80513	80020	--	7.58	337	0.10	294	7.1	17.5	4.1
NOV											
17...	0730	80513	80513	--	3.14	48	0.10	257	7.4	12.0	4.8
DEC											
06...	0745	80513	80020	--	13.69	2620	0.20	99	6.8	7.0	8.2
21...	1240	80513	80513	--	9.83	519	0.10	125	6.6	7.5	7.2
JAN											
20...	1130	80513	80513	67	13.10	1280	0.10	99	7.5	6.0	8.7
20...	1200	80513	80513	68	--	1010	0.10	97	7.3	6.5	9.6
FEB											
16...	0730	80513	80513	67	15.20	4470	0.10	62	7.2	7.5	8.1
16...	0800	80513	80513	68	--	4150	0.10	58	6.9	7.0	8.3
28...	0700	80513	80020	--	13.53	2400	0.10	74	6.9	5.0	10.1
MAR											
16...	1045	80513	80513	--	12.45	1980	0.10	74	6.9	10.5	7.2
APR											
18...	0715	80513	80020	--	10.27	674	0.10	109	7.0	17.0	9.5
27...	1330	80513	80513	--	4.31	124	--	155	7.5	25.0	4.3
MAY											
25...	1100	80513	80513	--	8.80	397	0.10	119	7.1	24.0	4.4
JUN											
12...	0945	80513	80020	--	7.72	316	0.10	173	7.4	24.5	4.2
22...	0715	80513	80513	--	10.77	681	0.10	228	7.4	25.0	3.7
JUL											
19...	1015	80513	80513	--	7.76	306	0.10	478	7.8	24.5	5.1
AUG											
23...	1030	80513	80513	--	4.42	103	0.20	620	7.9	28.5	4.5
29...	0800	80513	80020	--	6.06	210	0.10	530	7.8	28.0	4.2
SEP											
20...	0800	80513	80513	--	10.92	753	0.20	245	7.3	19.5	5.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT											
12...	1330	70	--	767	--	--	--	--	--	--	--
18...	1130	43	1.8	762	K170	K80	98	24	9.2	10	17
NOV											
17...	0730	44	--	768	--	--	--	--	--	--	--
DEC											
06...	0745	67	1.9	765	K130	180	35	9.0	3.0	5.1	23
21...	1240	60	--	765	--	--	--	--	--	--	--
JAN											
20...	1130	69	--	768	--	--	--	--	--	--	--
20...	1200	77	--	768	--	--	--	--	--	--	--
FEB											
16...	0730	67	--	770	--	--	--	--	--	--	--
16...	0800	68	--	770	--	--	--	--	--	--	--
28...	0700	79	1.2	760	K210	270	25	6.7	2.1	3.5	22
MAR											
16...	1045	64	--	765	--	--	--	--	--	--	--
APR											
18...	0715	99	3.6	758	K78	K150	46	12	3.9	5.2	19
27...	1330	53	--	755	--	--	--	--	--	--	--
MAY											
25...	1100	53	--	751	--	--	--	--	--	--	--
JUN											
12...	0945	51	2.7	757	K120	920	62	16	5.3	8.4	22
22...	0715	45	--	755	--	--	--	--	--	--	--
JUL											
19...	1015	62	--	754	--	--	--	--	--	--	--
AUG											
23...	1030	58	--	758	--	--	--	--	--	--	--
29...	0800	54	2.1	759	K200	530	220	54	21	26	20
SEP											
20...	0800	61	--	759	--	--	--	--	--	--	--

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
18...	1130	0.4	6.9	96	12	14	0.10	135	0.18	123
DEC										
06...	0745	0.4	1.9	36	5.3	18	0.20	64	0.09	456
FEB										
28...	0700	0.3	0.70	24	3.4	19	0.10	51	0.07	328
APR										
18...	0715	0.3	1.6	41	4.9	5.9	0.20	60	0.08	109
JUN										
12...	0945	0.5	2.3	58	8.1	13	0.20	89	0.12	76.3
AUG										
29...	0800	0.8	4.0	230	23	19	0.30	286	0.39	162

DATE	TIME	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)
OCT										
18...	1130	0.160	0.020	0.180	0.030	0.080	0.67	0.70	0.180	0.130
DEC										
06...	0745	--	0.020	<0.100	0.050	0.020	0.75	0.80	0.160	0.100
FEB										
28...	0700	0.110	0.020	0.130	0.080	0.030	0.62	0.70	0.130	0.080
APR										
18...	0715	0.200	0.020	0.220	0.080	0.050	0.72	0.80	0.220	0.140
JUN										
12...	0945	0.210	0.020	0.230	0.060	0.050	0.44	0.50	0.180	0.110
AUG										
29...	0800	0.120	0.010	0.130	0.020	0.020	0.38	0.40	0.200	0.100

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)
OCT										
18...	1130	--	30	--	--	--	--	--	--	--
DEC										
06...	0745	--	30	--	--	--	--	--	--	--
FEB										
28...	0700	--	10	--	--	--	--	--	--	--
APR										
18...	0715	--	30	--	--	--	--	--	--	--
JUN										
12...	0945	--	20	--	--	--	--	--	--	--
AUG										
29...	0800	2	30	<1	<1	1	5	620	2	3

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT										
12...	1330	--	--	--	--	--	59	149	93	95
18...	1130	--	--	--	--	--	27	25	--	--
NOV										
17...	0730	--	--	--	--	--	92	12	96	96
DEC										
06...	0745	--	--	--	--	--	45	318	--	--
21...	1240	--	--	--	--	--	5	7.0	98	99
JAN										
20...	1130	--	--	--	--	--	202	698	91	96
20...	1200	--	--	--	--	--	105	286	89	89
FEB										
16...	0730	--	--	--	--	--	174	2100	93	93
16...	0800	--	--	--	--	--	209	2340	81	81
28...	0700	--	--	--	--	--	34	220	--	--
MAR										
16...	1045	--	--	--	--	--	124	663	95	95
APR										
18...	0715	--	--	--	--	--	102	186	--	--
MAY										
25...	1100	--	--	--	--	--	167	179	100	--
JUN										
12...	0945	--	--	--	--	--	86	73	--	--
22...	0715	--	--	--	--	--	104	191	99	99
JUL										
19...	1015	--	--	--	--	--	330	273	100	--
AUG										
23...	1030	--	--	--	--	--	130	36	100	--
29...	0800	300	<0.10	<1	<1	<10	63	36	--	--
SEP										
20...	0800	--	--	--	--	--	87	177	99	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
12...	1330	96	100	--	--	93	95	96	98	100
18...	1130	--	--	--	87	--	--	--	--	--
NOV										
17...	0730	97	100	--	--	96	97	98	99	100
DEC										
06...	0745	--	--	--	89	--	--	--	--	--
21...	1240	100	--	--	--	89	91	93	98	100
JAN										
20...	1130	97	100	--	--	96	98	98	99	100
20...	1200	95	100	--	--	44	44	85	98	100
FEB										
16...	0730	94	99	100	--	97	98	98	99	100
16...	0800	83	98	100	--	57	71	81	91	100
28...	0700	--	--	--	93	--	--	--	--	--
MAR										
16...	1045	96	97	100	--	97	97	98	99	100
APR										
18...	0715	--	--	--	74	--	--	--	--	--
MAY										
25...	1100	--	--	--	--	99	99	99	100	--
JUN										
12...	0945	--	--	--	77	--	--	--	--	--
22...	0715	100	--	--	--	93	97	97	98	100
JUL										
19...	1015	--	--	--	--	96	98	98	98	100
AUG										
23...	1030	--	--	--	--	92	96	98	99	100
29...	0800	--	--	--	63	--	--	--	--	--
SEP										
20...	0800	100	--	--	--	92	96	96	98	100

07047947 SECOND CREEK NEAR PALESTINE, ARK.

LOCATION.--Lat 35°02'20", long 90°54'40", in SW ¼ SE ¼ sec.17, T.5 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on county road, 4.0 mi north of Palestine.

PERIOD OF RECORD.--June 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 25.	1230	9827	9827	110	7.1	16.0	50	5.0	2.0
NOV 29.	1215	9827	9827	--	7.8	10.0	85	6.5	0.9
DEC 27.	1110	9827	9827	108	6.8	12.0	85	6.8	0.8
JAN 10.	1215	9827	9827	150	7.3	7.0	110	7.4	1.2
FEB 21.	1155	9827	9827	--	7.5	7.0	--	9.9	1.6
MAR 28.	1205	9827	9827	166	7.4	21.0	60	5.4	1.9
APR 18.	1100	9827	9827	--	7.0	20.0	75	3.2	2.4
MAY 23.	1110	9827	9827	--	7.1	24.0	80	4.7	3.3
JUN 27.	1200	9827	9827	--	7.3	27.0	20	3.4	--
JUL 25.	1045	9827	9827	--	7.5	7.0	15	5.1	1.5
AUG 22.	1140	9827	9827	--	7.8	27.0	--	5.9	3.0
SEP 19.	1205	9827	9827	--	7.5	22.0	8.0	4.7	0.5

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 25.	1230	25	10	--	24	0.060	0.050	0.170	0.110
NOV 29.	1215	6.0	5.0	120	17	0.040	0.080	0.200	0.170
DEC 27.	1110	12	7.0	162	26	0.140	0.110	0.240	0.160
JAN 10.	1215	9.0	9.0	193	30	0.080	0.100	0.200	0.190
FEB 21.	1155	2.5	5.0	--	--	0.100	0.170	0.130	0.110
MAR 28.	1205	4.0	--	138	24	0.120	0.040	0.180	0.100
APR 18.	1100	6.0	--	151	40	0.080	0.040	--	0.110
MAY 23.	1110	5.6	13	142	49	0.180	0.020	0 330	0.220
JUN 27.	1200	17	7.0	151	16	0.090	0.050	--	0.050
JUL 25.	1045	18	4.0	173	15	0.350	<0.050	0.120	<0.030
AUG 22.	1140	40	15	326	--	<0.020	<0.050	0.080	0.060
SEP 19.	1205	43	8.0	207	10	0.050	--	0.100	<0.030

07047947 SECOND CREEK NEAR PALESTINE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1230	<1	<1	<15	5	<0.50	<10	9.8
NOV								
29.	1215	<1	4	22	40	--	70	6.4
DEC								
27.	1110	1	--	20	--	--	20	11
JAN								
10.	1215	1	2	<15	9	--	--	9.9
FEB								
21.	1155	<1	<1	<15	6	--	--	4.7
MAR								
28.	1205	--	3	<15	--	--	30	11
APR								
18.	1100	<1	2	<15	37	--	<10	12
MAY								
23.	1110	<1	<1	<15	2	--	<10	9.8
JUN								
27.	1200	<1	2	22	10	--	30	9.0
JUL								
25.	1045	<1	<1	15	--	--	<10	8.2
AUG								
22.	1140	<1	<1	16	--	--	10	--
SEP								
19.	1205	<1	1	--	--	<0.40	<10	7.4

07047964 L'ANGUILLE RIVER AT MARIANNA, ARK.

LOCATION.--Lat 34°47'12", long 90°45'00", in SE ¼ sec.11, T.2 N., R.3 E., Lee County, Hydrologic Unit 08020205, at bridge on U.S. Highway 79, 1.0 mi northeast of Marianna.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 25.	1045	9827	9827	560	7.1	16.0	35	7.5	1.5
NOV 29.	1100	9827	9827	14400	7.9	10.0	95	--	1.3
DEC 27.	1005	9827	9827	1230	6.9	11.0	100	8.7	1.2
JAN 10.	1115	9827	9827	2520	7.4	8.0	95	9.5	0.9
FEB 21.	1110	9827	9827	15500	7.5	6.0	--	9.9	1.4
MAR 28.	1030	9827	9827	1390	7.7	19.0	70	7.4	1.4
APR 18.	0920	9827	9827	1310	7.0	18.0	75	6.2	0.9
MAY 23.	0920	9827	9827	982	6.8	23.0	800	4.6	3.4
JUN 27.	1000	9827	9827	1090	7.2	28.0	45	3.3	1.7
JUL 25.	0910	9827	9827	578	7.6	26.0	90	5.6	1.7
AUG 22.	1000	9827	9827	214	8.1	29.0	--	6.6	3.1
SEP 19.	1015	9827	9827	1470	7.6	22.0	45	6.0	1.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 25.	1045	18	12	--	46	0.220	0.110	0.200	0.110
NOV 29.	1100	4.5	7.0	105	25	0.070	0.080	0.270	0.210
DEC 27.	1005	6.5	10	153	43	0.310	0.100	0.290	0.190
JAN 10.	1115	2.5	9.0	152	19	0.090	0.100	0.220	0.180
FEB 21.	1110	2.0	6.0	--	--	0.170	0.110	0.200	0.160
MAR 28.	1030	2.5	--	137	37	0.270	0.080	0.180	0.110
APR 18.	0920	3.0	--	150	18	0.280	0.020	--	0.180
MAY 23.	0920	7.0	12	157	622	1.00	0.300	1.00	0.420
JUN 27.	1000	9.1	10	124	26	0.220	0.120	--	0.130
JUL 25.	0910	11	10	180	112	0.810	0.060	0.320	0.060
AUG 22.	1000	30	26	329	--	<0.020	<0.050	0.230	0.130
SEP 19.	1015	23	12	179	45	0.200	--	0.220	0.070

07047964 L'ANGUILLE RIVER AT MARIANNA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1045	<1	<1	18	8	<0.50	10	9.8
NOV								
29.	1100	<1	7	16	9	--	80	6.1
DEC								
27.	1005	<1	--	<15	--	--	10	7.9
JAN								
10.	1115	1	--	<15	7	--	--	8.8
FEB								
21.	1110	<1	3	<15	<1	--	--	4.6
MAR								
28.	1030	--	3	30	--	--	30	6.9
APR								
18.	0920	<1	3	<15	31	--	10	10
MAY								
23.	0920	<1	10	20	31	--	60	13
JUN								
27.	1000	<1	2	29	43	--	80	7.4
JUL								
25.	0910	<1	1	21	--	--	50	7.8
AUG								
22.	1000	<1	4	<15	--	--	10	--
SEP								
19.	1015	<1	2	--	--	<0.40	20	8.0

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, ARK.

LOCATION.--Lat 36°03'00", long 94°04'42", in NW ¼ sec.20, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on Wally Wagon Road, 0.5 mi north of State Highway 16, 1.4 mi upstream from White River, and 4.3 mi east of Fayetteville.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 25...	1351	9827	9827	12	7.5	--	7.0	7.7	3.2	13
NOV 29...	0957	9827	9827	--	9.0	12.0	25	10.4	0.8	4.0
DEC 27...	1344	9827	9827	220	7.9	8.0	45	--	1.2	4.0
JAN 24...	1422	9827	9827	22	8.1	9.0	10	11.8	0.8	5.0
FEB 28...	1025	9827	9827	150	6.9	6.0	10	11.1	1.4	3.0
MAR 28...	1432	9827	9827	--	7.7	15.0	170	8.7	3.7	2.5
MAY 23...	1504	9827	9827	385	7.8	23.0	40	7.9	0.9	2.6
JUN 20...	1510	9827	9827	--	7.8	23.0	20	8.0	0.8	<1.0
JUL 25...	1400	9827	9827	24	8.0	26.0	15	7.7	1.7	3.4
AUG 22...	1440	9827	9827	0.0	7.8	28.0	50	6.7	3.5	5.0
SEP 05...	1430	9827	9827	0.0	7.9	27.0	8.0	8.1	4.8	6.2

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT 25...	1351	42	222	10	0.990	0.030	0.37	0.40	0.070
NOV 29...	0957	25	97	9	0.700	0.140	0.06	0.20	0.060
DEC 27...	1344	25	118	42	0.390	0.040	0.36	0.40	--
JAN 24...	1422	27	109	14	0.260	<0.010	--	0.40	0.050
FEB 28...	1025	18	100	8	0.670	0.060	0.24	0.30	0.070
MAR 28...	1432	--	133	207	0.350	--	--	0.90	--
MAY 23...	1504	16	98	35	0.230	<0.010	--	0.60	0.100
JUN 20...	1510	12	86	19	0.270	<0.010	--	0.60	0.090
JUL 25...	1400	--	138	21	0.340	<0.050	--	0.62	0.090
AUG 22...	1440	22	153	133	--	<0.050	--	1.1	0.160
SEP 05...	1430	17	--	14	0.040	<0.050	--	0.94	0.060

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 25...	1351	0.040	<1	--	<15	13	<0.50	--	5.9
NOV 29...	0957	0.060	1	<1	30	50	--	30	3.0
DEC 27...	1344	0.360	1	2	<15	--	--	10	2.5
JAN 24...	1422	0.050	<1	2	<15	8	--	<10	2.5
FEB 28...	1025	0.040	<1	<1	1	1	--	10	2.4
MAR 28...	1432	0.100	1	31	27	40	--	320	7.2
MAY 23...	1504	0.030	1	<1	<15	17	--	20	3.9
JUN 20...	1510	<0.010	<1	<1	34	13	--	<10	3.1
JUL 25...	1400	<0.030	<1	<1	<15	18	--	10	3.9
AUG 22...	1440	0.030	1	7	<15	40	--	10	5.2
SEP 05...	1430	--	2	1	30	2	<0.40	80	7.3

07048600 WHITE RIVER NEAR FAYETTEVILLE, ARK

LOCATION.--Lat 36°04'23", long 94°04'51", in NE¼SW¼ sec.8, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, on left bank at downstream side of bridge on county road, 0.6 mi downstream from West Fork White River 0.8 mi downstream from Lake Sequoyah Dam on White River, 4.3 mi east of Fayetteville, and at mile 684.0.

DRAINAGE AREA.--400 mi^2.

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1966(M), 1972(M). WRD ARK. 1985: 1966(M), 1968-69(M), 1971-73(M).

GAGE.--Water-stage recorder. Datum of gage is 1,138.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--26 years, 540 ft^3/s, 18.33 in/yr, 391,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s Nov. 19, 1985, gage height, 30.45 ft, from rating curve extended above 35,400 ft^3/s; minimum, 0.10 ft^3/s Oct. 3, 1982, gage height, 0.92 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 13	2100	*30,000	*22.27	June 12	1800	8,310	13.82
Feb. 15	1600	11,200	16.12	June 13	1800	9,640	14.95

Minimum discharge, 2.2 ft^3/s Sept. 9, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	5.1	319	679	1140	523	1340	97	356	194	49	5.6
2	23	4.9	264	547	1530	456	1140	96	291	139	46	4.9
3	20	4.9	229	457	4640	429	990	96	255	118	27	4.2
4	14	5.4	201	385	1940	835	834	110	1240	102	6.9	3.8
5	11	5.4	171	344	1410	1540	672	113	1150	89	6.4	3.4
6	11	5.4	146	367	1110	1120	562	101	1070	75	5.7	4.3
7	12	5.4	136	343	902	930	490	93	632	65	5.3	3.5
8	12	5.4	201	310	756	969	430	98	827	57	23	2.7
9	9.7	5.3	227	275	632	1820	385	246	629	59	50	27
10	8.3	10	204	256	539	3180	342	241	428	52	51	15
11	7.5	10	182	238	502	3090	313	121	1230	45	52	10
12	6.8	72	162	227	490	2000	284	e154	4510	55	52	16
13	7.7	22	144	216	11900	1510	268	e135	5630	70	52	34
14	10	13	133	206	9160	1240	253	e120	3650	70	51	27
15	22	24	123	197	9340	1010	246	e350	1880	70	52	13
16	24	134	116	183	5380	826	232	e560	1370	70	52	10
17	20	141	109	165	2610	704	213	373	1030	77	52	6.6
18	4.3	124	105	151	2020	962	236	1320	792	120	49	4.9
19	3.8	619	104	139	1770	751	247	1670	613	98	43	3.8
20	3.8	2580	86	128	1860	630	224	1330	480	78	47	2.9
21	3.6	1100	87	125	1 20	550	206	1160	378	61	32	2.6
22	3.6	605	127	119	1460	472	193	2340	303	57	5.0	3.5
23	18	403	705	115	1150	428	175	1510	253	56	4.2	3.4
24	12	299	607	110	1020	386	154	976	291	55	3.9	3.1
25	5.9	266	467	160	891	352	141	693	538	62	3.9	3.2
26	4.8	2260	364	4920	780	328	134	1960	314	54	14	3.3
27	3.9	1310	1050	2140	718	320	128	2070	602	50	8.9	3.8
28	3.6	781	2250	2550	646	2760	117	1150	332	48	9.1	3.8
29	4.6	533	1290	3910	---	2370	109	813	230	44	7.8	3.8
30	5.1	403	972	1960	---	2140	103	593	228	46	7.2	3.6
31	5.1	---	772	1440	---	1760	---	449	---	54	7.0	---
TOTAL	327.1	11756.2	12053	23362	68256	36391	11161	21138	31532	2290	875.3	236.7
MEAN	10.6	392	389	754	2438	1174	372	682	1051	73.9	28.2	7.89
MAX	26	2580	2250	4920	11900	3180	1340	2340	5630	194	52	34
MIN	3.6	4.9	86	110	490	320	103	93	228	44	3.9	2.6
AC-FT	649	23320	23910	46340	135400	72180	22140	41930	62540	4540	1740	469
CFSM	.03	.98	.97	1.88	6.09	2.93	.93	1.70	2.63	.18	.07	.02
IN.	.03	1.09	1.12	2.17	6.35	3.38	1.04	1.97	2.93	.21	.08	.02

CAL YR 1988 TOTAL 163888.2 MEAN 448 MAX 16100 MIN 3.6 AC-FT 325100 CFSM 1.12 IN. 15.24
WTR YR 1989 TOTAL 219378.3 MEAN 601 MAX 11900 MIN 2.6 AC-FT 435100 CFSM 1.50 IN. 20.40

e Estimated

07048700 WHITE RIVER NEAR GOSHEN, ARK.

LOCATION.--Lat 36°06'21", long 94°00'41", in NE ¼ NW ¼ sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at bridge on State Highway 45, 0.2 mi upstream from Richland Creek, and 1.2 mi west of Goshen

DRAINAGE AREA.--412 mi².

PERIOD OF RECORD.--July 1969 to July 1973, April 1974 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
25...	0840	9827	9827	16	--	--	7.3	14.0	15	6.2	--
NOV											
29...	0910	9827	9827	567	--	--	8.1	8.0	45	10.1	--
DEC											
27...	0910	9827	9827	394	--	--	7.5	9.0	45	--	--
JAN											
03...	1115	80513	80020	--	0.45	--	--	--	--	--	--
03...	1120	80513	80020	--	--	81	7.5	6.0	12	12.5	103
24...	0845	9827	9827	120	--	--	8.3	7.0	10	11.2	--
FEB											
21...	0940	9827	9827	1990	--	--	7.4	6.0	--	11.5	--
MAR											
28...	0840	9827	9827	1430	--	--	7.7	16.0	--	8.4	--
APR											
25...	0850	9827	9827	156	--	--	7.7	22.0	8.0	7.1	--
MAY											
01...	1235	80513	80020	--	0.76	--	--	--	--	--	--
01...	1236	80513	80020	--	--	--	--	--	--	--	--
01...	1240	80513	81213	--	--	143	7.2	20.5	3.9	7.2	82
23...	0855	9827	9827	1560	--	--	7.8	20.0	45	7.6	--
JUN											
27...	0815	9827	9827	614	--	--	7.7	25.0	25	6.6	--
JUL											
19...	0920	9827	9827	112	--	--	7.6	24.0	10	6.3	--
AUG											
07...	1530	80513	80020	--	0.36	--	--	--	--	--	--
07...	1531	80513	80020	--	--	--	--	--	--	--	--
07...	1535	80513	81213	--	--	208	8.2	27.5	7.1	9.4	124
22...	0915	9827	9827	16	--	--	7.7	27.0	9.0	7.3	--
SEP											
26...	0920	9827	9827	14	--	--	8.0	11.0	8.8	8.6	--

07048700 WHITE RIVER NEAR GOSHEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT											
25...	0840	--	--	--	--	--	--	--	35	32	--
NOV											
29...	0910	2.5	--	--	--	--	--	--	3.0	10	55
DEC											
27...	0910	--	--	--	--	--	--	--	4.0	12	94
JAN											
03...	1115	--	742	20	--	--	--	--	--	--	--
03...	1120	0.2	742	--	32	10	1.6	44	--	--	66
24...	0845	2.2	--	--	--	--	--	--	5.5	13	
FEB											
21...	0940	2.1	--	--	--	--	--	--	3.0	8.0	
MAR											
28...	0840	2.0	--	--	--	--	--	--	3.0	--	
APR											
25...	0850	3.9	--	--	--	--	--	--	4.4	--	76
MAY											
01...	1235	--	743	19	--	--	--	--	--	--	83
01...	1236	--	743	--	--	--	--	--	--	--	
01...	1240	2.2	743	--	56	19	2.0	44	--	--	93
23...	0855	3.9	--	--	--	--	--	--	2.9	12	
JUN											
27...	0815	3.1	--	--	--	--	--	--	3.8	12	96
JUL											
19...	0920	2.7	--	--	--	--	--	--	4.9	--	110
AUG											
07...	1530	--	735	16	--	--	--	--	--	--	153
07...	1531	--	735	--	--	--	--	--	--	--	
07...	1535	3.1	735	--	79	27	2.8	68	--	--	
22...	0915	4.7	--	--	--	--	--	--	7.2	9.0	
SEP											
26...	0920	4.5	--	--	--	--	--	--	7.5	22	

DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)
OCT										
25...	0840	15	4.30	--	--	0.90	0.280	0.190	--	--
NOV										
29...	0910	26	0.690	0.070	--	--	0.180	0.150	--	1
DEC										
27...	0910	17	1.80	1.60	0.10	1.7	0.610	0.410	--	<1
JAN										
03...	1115	--	0.560	--	--	--	0.050	0.030	<1	--
03...	1120	7	0.840	0.220	0.28	0.50	0.090	0.060	--	<1
FEB										
21...	0940	14	0.630	0.060	0.34	0.40	0.080	0.080	--	2
MAR										
28...	0840	--	0.590	0.160	0.34	0.50	<0.010	--	--	1
APR										
25...	0850	12	0.670	0.260	0.54	0.80	0.070	0.010	--	--
MAY										
01...	1235	--	0.470	--	--	--	0.090	0.020	<1	--
23...	0855	43	0.210	<0.010	--	0.80	0.140	0.100	--	1
JUN										
27...	0815	41	0.560	0.140	0.46	0.60	0.080	<0.010	--	1
JUL										
19...	0920	15	0.580	0.050	0.53	0.58	0.120	0.030	--	<1
AUG										
07...	1530	--	0.220	--	--	--	0.050	0.010	<1	--
22...	0915	18	0.860	<0.050	--	1.2	0.120	0.030	--	1
SEP										
26...	0920	18	0.420	<0.050	--	0.82	0.080	0.040	--	1

07048700 WHITE RIVER NEAR GOSHEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
25...	0840	<1	<15	--	4	--	--	<0.50	10	7.1
NOV										
29...	0910	2	26	--	1	--	--	--	10	--
DEC										
27...	0910	<1	25	--	5	--	--	--	10	3.6
JAN										
03...	1115	<10	5	470	5	7	50	0.40	10	--
03...	1120	1	<15	--	8	--	--	--	10	2.1
FEB										
21...	0940	<1	20	--	1	--	--	--	20	2.7
MAR										
28...	0840	<1	--	--	1	--	--	--	10	2.2
APR										
25...	0850	<1	15	--	<1	--	--	--	<10	2.6
MAY										
01...	1235	<10	4	390	<5	4	140	<0.10	<10	--
23...	0855	<1	17	--	2	--	--	--	<10	5.5
JUN										
27...	0815	1	25	--	2	--	--	--	20	3.1
JUL										
19...	0920	<1	<15	--	1	--	--	--	<10	4.2
AUG										
07...	1530	<10	2	260	<1	2	170	<0.10	<10	--
22...	0915	--	18	--	<2	--	--	--	140	6.8
SEP										
26...	0920	<1	23	--	<2	--	--	--	10	4.9

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.

LOCATION.--Lat 36°07'25", long 93°44'02", in SW ¼ NE ¼ sec.22, T.17 N., R.26 W., Madison County, Hydrologic Unit 11010001, at bridge on State Highway 23, 2.5 mi north of Huntsville.

PERIOD OF RECORD.--October 1984 to September 1985.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
25...	1315	9827	9827	7.2	16.0	5.5	3.3	--	64
NOV									
29...	1415	9827	9827	7.8	10.0	8.0	9.5	3.6	19
DEC									
27...	1425	9827	9827	7.8	8.0	240	10.1	--	6.5
JAN									
24...	1310	9827	9827	7.8	10.0	6.5	8.1	22	45
FEB									
21...	1430	9827	9827	7.3	5.0	--	11.3	2.9	7.5
MAR									
28...	1350	9827	9827	7.7	15.0	--	9.6	6.2	7.0
APR									
25...	1415	9827	9827	7.6	23.0	7.5	8.3	--	42
MAY									
23...	1410	9827	9827	7.9	23.0	15	8.5	2.9	8.7
JUN									
27...	1315	9827	9827	7.6	23.0	20	7.6	4.0	8.4
JUL									
19...	1415	9827	9827	7.8	23.0	3.0	7.4	2.5	54
AUG									
22...	1430	9827	9827	7.6	27.0	2.0	6.1	4.4	74
SEP									
26...	1415	9827	9827	7.7	17.0	2.7	8.4	3.2	77

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
25...	1315	26	--	6	2.40	--	--	25	3.60
NOV									
29...	1415	18	125	5	2.00	2.40	--	--	0.440
DEC									
27...	1425	17	144	303	0.870	0.500	1.6	2.1	0.640
JAN									
24...	1310	21	205	10	0.800	13.0	1.0	14	1.60
FEB									
21...	1430	7.0	--	5	1.20	0.910	0.0	0.90	0.140
MAR									
28...	1350	--	--	--	1.50	0.280	0.62	0.90	--
APR									
25...	1415	--	252	19	8.80	2.20	1.0	3.2	2.00
MAY									
23...	1410	17	120	10	1.90	<0.010	--	0.40	0.070
JUN									
27...	1315	10	111	13	1.60	0.070	0.63	0.70	0.090
JUL									
19...	1415	--	302	6	12.0	0.050	0.75	0.80	0.150
AUG									
22...	1430	33	355	5	2.70	<0.050	--	0.98	0.120
SEP									
26...	1415	19	389	8	25.0	0.050	1.0	1.1	0.110

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	1315	3.40	--	<1	<15	<1	<0.50	<10	18
NOV									
29...	1415	0.370	<1	1	<15	3	--	10	--
DEC									
27...	1425	0.150	1	<1	<15	--	--	50	9.4
JAN									
24...	1310	1.30	<1	<1	<15	17	--	20	10
FEB									
21...	1430	0.130	<1	<1	<15	<1	--	10	2.9
MAR									
28...	1350	0.130	<1	<1	--	2	--	20	7.4
APR									
25...	1415	1.50	--	<1	22	<1	--	10	11
MAY									
23...	1410	0.060	<1	<1	<15	3	--	10	3.5
JUN									
27...	1315	0.010	<1	1	<15	4	--	20	4.1
JUL									
19...	1415	<0.030	<1	<1	16	3	--	10	5.7
AUG									
22...	1430	0.080	6	--	<15	<2	--	20	3.6
SEP									
26...	1415	0.120	<1	1	23	<2	<0.40	30	4.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.

LOCATION.--Lat 36°25'15", long 93°50'50", in NW ¼ NW ¼ sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at dam on White River, 6.0 mi west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi^2.

PERIOD OF RECORD.--Water years 1966-71, 1973, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
19...	1050	80513	80020	0.0	138	8.1	18.0	8.8	6.00
19...	1052	80513	80020	10.0	138	8.1	18.5	8.6	--
19...	1054	80513	80020	20.0	138	8.1	18.5	8.5	--
19...	1056	80513	80020	30.0	138	8.1	18.5	8.4	--
19...	1058	80513	80020	40.0	142	7.5	17.0	5.1	--
19...	1100	80513	80020	41.0	143	7.3	16.5	3.4	--
19...	1102	80513	80020	42.0	143	7.1	15.5	1.8	--
19...	1104	80513	80020	43.0	146	7.1	14.5	1.5	--
19...	1106	80513	80020	45.0	146	7.0	13.5	2.0	--
19...	1108	80513	80020	50.0	144	7.0	13.0	2.4	--
19...	1110	80513	80020	60.0	144	7.1	11.5	3.8	--
19...	1112	80513	80020	70.0	142	7.1	11.0	4.5	--
19...	1114	80513	80020	80.0	143	7.1	10.5	5.0	--
19...	1116	80513	80020	90.0	141	7.1	10.0	5.3	--
19...	1118	80513	80020	100	144	7.2	9.0	5.5	--
19...	1120	80513	80020	110	141	7.2	9.0	6.0	--
19...	1122	80513	80020	120	141	7.2	8.0	5.7	--
19...	1124	80513	80020	130	140	7.1	8.0	5.2	--
19...	1126	80513	80020	140	141	7.1	7.5	5.0	--
19...	1128	80513	80020	150	141	7.1	7.5	4.8	--
19...	1130	80513	80020	160	145	7.1	7.5	4.1	--
19...	1132	80513	80020	170	145	7.1	7.0	3.6	--
19...	1134	80513	80020	180	145	7.1	7.0	3.2	--
19...	1136	80513	80020	190	151	7.0	7.0	0.9	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
16...	1400	80513	80020	0.0	144	8.0	14.0	9.7	5.30
16...	1401	80513	80020	10.0	144	8.0	14.5	9.4	--
16...	1402	80513	80020	20.0	144	8.0	14.5	9.2	--
16...	1403	80513	80020	30.0	144	8.0	14.5	9.2	--
16...	1404	80513	80020	40.0	144	8.0	14.5	9.2	--
16...	1405	80513	80020	50.0	145	7.9	14.5	9.2	--
16...	1406	80513	80020	60.0	145	8.0	14.5	9.2	--
16...	1407	80513	80020	70.0	144	7.9	14.5	9.1	--
16...	1408	80513	80020	78.0	148	7.6	13.5	6.8	--
16...	1409	80513	80020	79.0	150	7.3	12.0	4.3	--
16...	1410	80513	80020	80.0	148	7.3	11.0	3.1	--
16...	1411	80513	80020	90.0	149	7.2	10.5	3.7	--
16...	1412	80513	80020	100	148	7.2	9.5	4.3	--
16...	1413	80513	80020	110	147	7.2	9.0	4.6	--
16...	1414	80513	80020	120	146	7.2	8.5	4.7	--
16...	1415	80513	80020	130	146	7.2	8.5	4.4	--
16...	1416	80513	80020	140	145	7.1	8.0	3.9	--
16...	1417	80513	80020	150	144	7.1	7.5	3.4	--
16...	1418	80513	80020	160	148	7.1	7.5	3.4	--
16...	1419	80513	80020	170	148	7.1	7.5	2.5	--
16...	1420	80513	80020	180	153	7.0	7.5	2.1	--
16...	1421	80513	80020	190	153	7.0	7.0	2.0	--
16...	1422	80513	80020	195	153	7.0	7.0	0.9	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC									
14...	1120	80513	80020	0.0	140	7.6	10.5	10.1	4.80
14...	1121	80513	80020	10.0	141	7.6	10.5	9.5	--
14...	1122	80513	80020	20.0	142	7.5	10.5	9.3	--
14...	1123	80513	80020	30.0	141	7.5	10.5	9.2	--
14...	1124	80513	80020	40.0	142	7.5	10.5	9.1	--
14...	1125	80513	80020	50.0	142	7.5	10.5	9.1	--
14...	1126	80513	80020	60.0	142	7.5	10.5	9.0	--
14...	1127	80513	80020	70.0	142	7.5	10.0	8.9	--
14...	1128	80513	80020	80.0	141	7.5	10.0	8.7	--
14...	1129	80513	80020	90.0	142	7.4	10.0	8.5	--
14...	1130	80513	80020	100	143	7.4	10.0	7.7	--
14...	1131	80513	80020	110	146	7.3	10.0	5.1	--
14...	1132	80513	80020	120	144	7.1	9.0	3.9	--
14...	1133	80513	80020	130	142	7.1	8.5	3.7	--
14...	1134	80513	80020	140	142	7.0	8.0	3.2	--
14...	1135	80513	80020	150	145	7.0	8.0	2.8	--
14...	1136	80513	80020	160	144	7.0	7.5	2.8	--
14...	1137	80513	80020	170	144	7.0	7.5	2.4	--
14...	1138	80513	80020	180	146	6.9	7.5	1.9	--
14...	1139	80513	80020	190	146	6.9	7.5	0.7	--
14...	1140	80513	80020	196	151	6.9	7.5	0.3	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN									
04...	1200	80513	80020	0.0	142	7.5	8.5	10.4	5.80
04...	1201	80513	80020	3.00	142	7.5	8.5	10.0	--
04...	1202	80513	80020	10.0	142	7.5	8.5	9.7	--
04...	1203	80513	80020	20.0	142	7.5	8.5	9.7	--
04...	1205	80513	81213	25.0	142	7.5	8.5	9.6	--
04...	1206	80513	80020	30.0	143	7.5	8.5	9.6	--
04...	1207	80513	80020	40.0	143	7.5	8.5	9.6	--
04...	1208	80513	80020	50.0	143	7.5	8.5	9.5	--
04...	1209	80513	80020	60.0	143	7.5	8.5	9.5	--
04...	1210	80513	80020	70.0	143	7.5	8.5	9.4	--
04...	1211	80513	80020	80.0	143	7.5	8.5	9.4	--
04...	1212	80513	80020	90.0	144	7.5	8.5	9.3	--
04...	1215	80513	81213	100	143	7.5	8.5	8.8	--
04...	1216	80513	80020	110	144	7.4	8.5	8.0	--
04...	1217	80513	80020	120	147	7.4	8.5	8.2	--
04...	1218	80513	80020	130	150	7.3	8.0	4.3	--
04...	1219	80513	80020	140	151	7.1	8.0	2.0	--
04...	1220	80513	80020	150	145	7.1	7.5	1.9	--
04...	1221	80513	80020	160	143	7.0	7.5	2.1	--
04...	1222	80513	80020	170	143	7.0	7.5	1.5	--
04...	1223	80513	80020	180	147	7.0	7.5	0.8	--
04...	1224	80513	80020	190	148	6.9	7.5	0.4	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
04...	1200	3	--	--	--	--	--	--	--
04...	1205	--	<5	0.40	0.3	64	22	2.1	54
04...	1215	--	<5	0.40	0.5	63	22	2.0	44

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JAN									
04...	1201	0.260	0.020	<0.020	--	--	--	--	--
04...	1205	0.260	0.020	<0.020	40	<1	<10	2	50
04...	1215	0.260	0.020	<0.020	70	<1	<10	1	40

DATE	TIME	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
04...	1201	--	--	--	--	--	0.400	<0.100
04...	1205	<5	20	0.10	3	<10	--	--
04...	1215	<5	20	<0.10	3	<10	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
FEB									
15...	1010	80513	80020	0.0	131	7.7	6.0	12.9	3.30
15...	1011	80513	80020	10.0	132	7.7	6.0	12.8	--
15...	1012	80513	80020	20.0	132	7.7	6.0	12.8	--
15...	1013	80513	80020	30.0	131	7.8	6.0	12.6	--
15...	1014	80513	80020	40.0	131	7.8	6.0	12.6	--
15...	1015	80513	80020	50.0	131	7.8	6.0	12.4	--
15...	1016	80513	80020	60.0	131	7.8	6.0	12.2	--
15...	1017	80513	80020	70.0	133	7.8	6.0	12.0	--
15...	1018	80513	80020	80.0	132	7.8	6.0	11.8	--
15...	1019	80513	80020	90.0	132	7.8	6.0	11.6	--
15...	1020	80513	80020	100	131	7.8	6.0	11.3	--
15...	1021	80513	80020	110	130	7.7	6.0	10.8	--
15...	1022	80513	80020	120	132	7.7	6.0	10.7	--
15...	1023	80513	80020	130	131	7.8	6.0	10.6	--
15...	1024	80513	80020	140	131	7.8	6.0	10.6	--
15...	1025	80513	80020	150	132	7.8	6.0	10.7	--
15...	1026	80513	80020	160	132	7.8	6.0	10.7	--
15...	1027	80513	80020	170	132	7.8	6.0	10.6	--
15...	1028	80513	80020	180	133	7.8	5.5	10.6	--
15...	1029	80513	80020	189	137	7.8	5.5	10.6	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
MAR									
15...	1115	80513	80020	0.0	133	7.4	7.5	12.2	3.50
15...	1116	80513	80020	10.0	134	7.7	7.5	11.9	--
15...	1117	80513	80020	20.0	134	7.8	7.5	11.8	--
15...	1118	80513	80020	30.0	133	7.8	7.5	11.6	--
15...	1119	80513	80020	40.0	136	7.8	6.5	11.4	--
15...	1120	80513	80020	50.0	135	7.8	6.0	11.1	--
15...	1121	80513	80020	60.0	135	7.8	6.0	11.1	--
15...	1122	80513	80020	70.0	132	7.8	6.0	11.1	--
15...	1123	80513	80020	80.0	133	7.8	5.5	11.0	--
15...	1124	80513	80020	90.0	134	7.8	5.5	11.0	--
15...	1125	80513	80020	100	132	7.8	5.5	10.9	--
15...	1126	80513	80020	110	134	7.8	5.5	10.9	--
15...	1127	80513	80020	120	137	7.8	5.5	10.8	--
15...	1128	80513	80020	130	132	7.8	5.5	10.8	--
15...	1129	80513	80020	140	134	7.8	5.5	10.7	--
15...	1130	80513	80020	150	134	7.6	5.5	10.8	--
15...	1131	80513	80020	160	134	7.8	5.5	10.6	--
15...	1132	80513	80020	170	135	7.8	5.5	10.6	--
15...	1133	80513	80020	180	134	7.8	5.5	10.4	--
15...	1134	80513	80020	190	137	7.8	5.5	10.5	--
15...	1135	80513	80020	200	135	7.8	5.5	10.6	--
15...	1136	80513	80020	202	137	7.8	5.5	10.5	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
APR									
11...	1445	80513	80020	0.0	137	7.7	11.0	11.7	5.80
11...	1446	80513	80020	10.0	137	7.7	11.0	11.1	--
11...	1447	80513	80020	20.0	137	7.6	10.5	10.9	--
11...	1448	80513	80020	30.0	137	7.7	10.5	10.6	--
11...	1449	80513	80020	40.0	136	7.7	9.5	10.5	--
11...	1450	80513	80020	50.0	136	7.6	9.0	10.4	--
11...	1451	80513	80020	60.0	137	7.6	8.5	10.5	--
11...	1452	80513	80020	70.0	137	7.6	7.5	10.4	--
11...	1453	80513	80020	80.0	136	7.6	7.0	10.3	--
11...	1454	80513	80020	90.0	137	7.6	6.5	10.2	--
11...	1455	80513	80020	100	136	7.6	6.5	10.1	--
11...	1456	80513	80020	110	135	7.6	6.5	10.1	--
11...	1457	80513	80020	120	134	7.6	6.0	10	--
11...	1458	80513	80020	130	136	7.6	6.0	9.9	--
11...	1459	80513	80020	140	133	7.6	6.0	9.8	--
11...	1500	80513	80020	150	136	7.6	6.0	9.9	--
11...	1501	80513	80020	160	135	7.6	6.0	9.8	--
11...	1502	80513	80020	170	138	7.6	6.0	9.8	--
11...	1503	80513	80020	180	133	7.6	6.0	9.7	--
11...	1504	80513	80020	190	137	7.6	5.5	9.6	--
11...	1505	80513	80020	191	137	7.6	6.0	9.7	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAY									
02...	1215	80513	80020	0.0	134	8.5	17.0	9.8	4.70
02...	1216	80513	80020	3.00	134	8.5	17.0	9.8	--
02...	1217	80513	80020	10.0	135	8.6	16.5	10	--
02...	1218	80513	80020	18.0	134	8.5	16.0	10.4	--
02...	1219	80513	80020	20.0	134	8.5	15.5	10.4	--
02...	1220	80513	80020	22.0	135	8.4	14.5	10.5	--
02...	1221	80513	81213	25.0	135	8.4	13.5	10.6	--
02...	1222	80513	80020	30.0	136	8.3	12.5	10.7	--
02...	1223	80513	80020	35.0	135	8.1	11.5	10.4	--
02...	1224	80513	80020	40.0	135	8.1	11.0	10.3	--
02...	1225	80513	80020	50.0	132	7.9	9.0	10	--
02...	1226	80513	80020	60.0	133	7.8	8.5	9.9	--
02...	1227	80513	80020	70.0	131	7.8	8.0	9.9	--
02...	1228	80513	80020	80.0	131	7.7	7.5	9.9	--
02...	1229	80513	80020	90.0	133	7.7	7.0	9.9	--
02...	1230	80513	81213	100	134	7.7	6.5	9.8	--
02...	1231	80513	80020	110	133	7.7	6.5	9.8	--
02...	1232	80513	80020	120	132	7.7	6.5	9.8	--
02...	1233	80513	80020	130	134	7.7	6.5	9.8	--
02...	1234	80513	80020	140	132	7.7	6.0	9.8	--
02...	1235	80513	80020	150	133	7.7	6.0	9.8	--
02...	1236	80513	80020	160	130	7.7	6.0	9.7	--
02...	1237	80513	80020	170	130	7.7	6.0	9.7	--
02...	1238	80513	80020	180	132	7.7	6.0	9.6	--
02...	1239	80513	80020	190	132	7.7	6.0	9.5	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) [illegible]	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY									
02...	1215	0	--	--	--	--	--	--	--
02...	1221	--	<5	0.30	1.5	61	21	2.0	52
02...	1230	--	<5	0.40	1.2	60	21	1.8	58

DATE	TIME	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
MAY									
02...	1216	0.230	<0.020	<0.010	--	--	--	--	--
02...	1221	0.240	<0.020	<0.010	<10	<1	<10	2	50
02...	1230	0.310	<0.020	<0.010	10	<1	<10	2	50

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY								
02...	1216	--	--	--	--	--	0.400	<0.100
02...	1221	<5	<10	<0.10	2	<10	--	--
02...	1230	<5	<10	<0.10	2	<10	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUN									
07...	1040	80513	80020	0.0	135	8.6	23.5	9.6	5.50
07...	1041	80513	80020	10.0	135	8.6	23.5	9.4	--
07...	1042	80513	80020	20.0	136	8.6	23.0	9.3	--
07...	1043	80513	80020	26.0	135	8.6	22.5	9.5	--
07...	1044	80513	80020	27.0	136	8.6	21.5	9.8	--
07...	1045	80513	80020	29.0	137	8.6	20.0	10.0	--
07...	1046	80513	80020	30.0	137	8.5	19.0	10.0	--
07...	1047	80513	80020	31.0	138	8.5	17.5	10.4	--
07...	1048	80513	80020	33.0	140	8.4	16.5	10.5	--
07...	1049	80513	80020	35.0	140	8.2	15.5	10.3	--
07...	1050	80513	80020	37.0	139	8.1	14.5	10.1	--
07...	1051	80513	80020	40.0	139	8.0	13.0	9.9	--
07...	1052	80513	80020	45.0	138	7.8	12.0	9.6	--
07...	1053	80513	80020	50.0	136	7.8	11.5	9.3	--
07...	1054	80513	80020	60.0	136	7.7	10.5	9.0	--
07...	1055	80513	80020	70.0	135	7.7	10.0	8.7	--
07...	1056	80513	80020	80.0	137	7.6	9.0	8.7	--
07...	1057	80513	80020	90.0	136	7.6	8.0	8.8	--
07...	1058	80513	80020	100	136	7.6	8.0	8.8	--
07...	1059	80513	80020	110	135	7.8	7.5	8.8	--
07...	1100	80513	80020	120	135	7.6	7.0	8.8	--
07...	1101	80513	80020	130	135	7.6	7.0	8.8	--
07...	1102	80513	80020	140	137	7.6	7.0	8.7	--
07...	1103	80513	80020	150	135	7.6	6.5	8.7	--
07...	1104	80513	80020	160	135	7.6	6.5	8.6	--
07...	1105	80513	80020	170	135	7.6	6.5	8.6	--
07...	1106	80513	80020	180	136	7.6	6.5	8.4	--
07...	1107	80513	80020	190	137	7.6	6.5	8.5	--
07...	1108	80513	80020	199	140	7.6	6.5	8.4	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL									
13...	1055	80513	80020	0.0	141	8.2	28.5	8.0	6.50
13...	1056	80513	80020	10.0	141	8.2	28.0	7.7	--
13...	1057	80513	80020	20.0	139	8.5	27.5	9.2	--
13...	1058	80513	80020	22.0	140	8.7	26.0	10	--
13...	1059	80513	80020	23.0	141	8.6	24.5	9.8	--
13...	1100	80513	80020	25.0	141	8.5	23.5	9.3	--
13...	1101	80513	80020	27.0	143	8.3	22.5	8.9	--
13...	1102	80513	80020	29.0	143	8.1	21.5	8.6	--
13...	1103	80513	80020	30.0	141	8.1	21.0	8.6	--
13...	1104	80513	80020	32.0	142	8.0	20.0	8.5	--
13...	1105	80513	80020	35.0	142	7.9	19.0	8.5	--
13...	1106	80513	80020	38.0	142	7.8	18.5	8.2	--
13...	1107	80513	80020	40.0	143	7.7	17.5	8.3	--
13...	1108	80513	80020	42.0	143	7.6	16.5	8.2	--
13...	1109	80513	80020	45.0	143	7.6	15.5	8.0	--
13...	1110	80513	80020	48.0	143	7.5	14.5	8.0	--
13...	1111	80513	80020	50.0	143	7.5	13.5	8.0	--
13...	1112	80513	80020	55.0	144	7.5	12.5	7.8	--
13...	1113	80513	80020	60.0	143	7.5	12.0	7.4	--
13...	1114	80513	80020	70.0	139	7.4	10.5	7.1	--
13...	1115	80513	80020	80.0	138	7.4	9.5	7.0	--
13...	1116	80513	80020	90.0	139	7.4	9.0	7.0	--
13...	1117	80513	80020	100	139	7.3	8.5	7.1	--
13...	1118	80513	80020	110	138	7.4	8.0	7.3	--
13...	1119	80513	80020	120	139	7.4	7.5	7.3	--
13...	1120	80513	80020	130	139	7.3	7.5	7.3	--
13...	1121	80513	80020	140	142	7.3	7.0	7.2	--
13...	1122	80513	80020	150	140	7.3	7.0	7.1	--
13...	1123	80513	80020	160	144	7.3	7.0	6.9	--
13...	1124	80513	80020	170	144	7.3	7.0	6.8	--
13...	1125	80513	80020	180	143	7.3	7.0	6.7	--
13...	1126	80513	80020	190	142	7.3	7.0	6.6	--
13...	1127	80513	80020	197	145	7.3	6.5	6.5	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG									
08...	1215	80513	80020	0.0	141	8.6	26.5	8.1	5.50
08...	1216	80513	80020	3.00	141	8.6	26.5	8.1	--
08...	1217	80513	80020	10.0	141	8.6	26.5	8.0	--
08...	1218	80513	80020	20.0	141	8.6	26.5	8.0	--
08...	1219	80513	81213	25.0	143	8.5	25.5	8.8	--
08...	1220	80513	80020	26.0	144	8.5	24.5	8.9	--
08...	1221	80513	80020	28.0	143	8.4	23.5	8.9	--
08...	1222	60513	80020	30.0	143	8.3	22.5	8.9	--
08...	1223	80513	80020	32.0	143	8.1	21.5	8.7	--
08...	1224	80513	80020	35.0	143	8.0	20.5	7.8	--
08...	1225	80513	80020	38.0	145	7.7	19.5	7.3	--
08...	1226	80513	80020	40.0	145	7.6	18.5	6.9	--
08...	1227	80513	80020	42.0	145	7.5	17.5	6.6	--
08...	1228	80513	80020	44.0	144	7.4	17.0	6.4	--
08...	1229	80513	80020	46.0	144	7.4	16.0	6.4	--
08...	1230	80513	80020	48.0	145	7.4	14.5	6.6	--
08...	1231	80513	80020	50.0	145	7.4	14.0	6.8	--
08...	1232	80513	80020	53.0	146	7.4	13.5	6.9	--
08...	1233	80513	80020	57.0	146	7.4	12.5	6.9	--
08...	1234	80513	80020	60.0	143	7.4	12.0	6.9	--
08...	1235	80513	80020	70.0	141	7.4	11.0	6.7	--
08...	1236	80513	80020	80.0	141	7.4	10.0	6.4	--
08...	1237	80513	80020	90.0	140	7.4	9.0	6.4	--
08...	1238	80513	81213	100	141	7.4	8.5	6.4	--
08...	1239	80513	80020	110	139	7.4	8.0	6.7	--
08...	1240	80513	80020	120	142	7.4	7.5	6.7	--
08...	1241	80513	80020	130	139	7.4	7.5	6.6	--
08...	1242	80513	80020	140	140	7.3	7.0	6.5	--
08...	1243	80513	80020	150	145	7.3	7.0	6.3	--
08...	1244	80513	80020	160	143	7.4	7.0	6.2	--
08...	1245	80513	80020	170	144	7.4	7.0	6.1	--
08...	1246	80513	80020	180	144	7.4	6.5	6.1	--
08...	1247	80513	80020	190	146	7.3	6.5	5.9	--
08...	1248	80513	80020	196	164	7.3	7.0	1.9	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
AUG									
08...	1215	0	--	--	--	--	--	--	--
08...	1219	--	<5	0.33	1.4	58	20	2.0	56
08...	1238	--	5	1.1	1.0	58	20	1.9	52

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
AUG									
08...	1216	<0.020	<0.020	<0.010	--	--	--	--	--
08...	1219	<0.020	<0.020	<0.010	10	<1	<10	2	50
08...	1238	0.450	<0.020	<0.010	50	<1	<10	2	100

DATE	TIME	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
08...	1216	--	--	--	--	--	0.500	<0.100
08...	1219	<1	10	<0.10	1	<10	--	--
08...	1238	<1	10	<0.10	<1	10	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
11...	1230	80513	80020	0.0	138	8.0	26.0	9.1	5.10
11...	1231	80513	80020	10.0	140	8.1	26.5	8.9	--
11...	1232	80513	80020	20.0	138	8.1	26.5	8.7	--
11...	1233	80513	80020	27.0	138	8.0	25.5	8.5	--
11...	1234	80513	80020	28.0	142	7.9	24.0	8.9	--
11...	1235	80513	80020	30.0	141	7.7	23.0	8.5	--
11...	1236	80513	80020	32.0	139	7.6	21.5	8.5	--
11...	1237	80513	80020	34.0	140	7.5	21.0	8.0	--
11...	1238	80513	80020	36.0	141	7.3	20.0	7.4	--
11...	1239	80513	80020	39.0	140	7.3	19.0	6.8	--
11...	1240	80513	80020	40.0	142	7.2	18.5	6.7	--
11...	1241	80513	80020	42.0	142	7.2	17.5	6.4	--
11...	1242	80513	80020	45.0	143	7.2	16.5	6.4	--
11...	1243	80513	80020	47.0	143	7.3	15.5	6.2	--
11...	1244	80513	80020	50.0	143	7.4	14.5	6.3	--
11...	1245	80513	80020	53.0	142	7.4	13.5	6.6	--
11...	1246	80513	80020	57.0	141	7.4	12.5	6.9	--
11...	1247	80513	80020	60.0	139	7.4	12.0	6.9	--
11...	1248	80513	80020	70.0	139	7.4	11.0	6.7	--
11...	1249	80513	80020	80.0	137	7.4	10.0	6.3	--
11...	1250	80513	80020	90.0	134	7.4	9.0	6.3	--
11...	1251	80513	80020	100	135	7.4	8.5	6.6	--
11...	1252	80513	80020	110	134	7.4	8.0	6.9	--
11...	1253	80513	80020	120	133	7.4	7.5	6.9	--
11...	1254	80513	80020	130	139	7.4	7.0	6.8	--
11...	1255	80513	80020	140	133	7.4	7.0	6.6	--
11...	1256	80513	80020	150	135	7.4	7.0	6.4	--
11...	1257	80513	80020	160	134	7.4	6.5	6.3	--
11...	1258	80513	80020	170	136	7.4	6.5	6.1	--
11...	1259	80513	80020	180	138	7.4	6.5	5.9	--
11...	1300	80513	80020	190	138	7.3	6.5	1.5	--
11...	1301	80513	80020	197	154	7.3	7.0	0.9	--

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS, ARK.

LOCATION.--Lat 36°25'15", long 93°50'50", in NW ¼ NW ¼ sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi west of Eureka Springs, and at mile 609.0

DRAINAGE AREA.--1,192 mi².

PERIOD OF RECORD.--Water years 1946, 1950-53, October 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
OCT 19...	1030	80513	80020	141	7.4	12.5	10.7	--	--	--
NOV 16...	1330	80513	80020	168	8.2	11.5	11.5	--	--	--
DEC 14...	1215	80513	80020	156	7.4	10.5	10.6	--	--	--
JAN 04...	1145	80513	81213	144	7.5	8.5	8.7	9	5	0.90
FEB 15...	1050	80513	80020	134	7.8	6.0	12.2	--	--	--
MAR 15...	1045	80513	80020	133	8.2	6.0	12.1	--	--	--
APR 11...	1430	80513	80020	144	8.8	14.0	14.6	--	--	--
MAY 02...	1150	80513	81213	135	8.7	12.5	14.2	<3	<5	0.50
JUN 07...	1130	80513	80020	135	7.6	8.0	10.5	--	--	--
JUL 13...	1030	80513	80020	145	7.1	12.0	12.4	--	--	--
AUG 08...	1150	80513	81213	152	7.8	15.5	12.5	2	5	1.7
SEP 11...	1215	80513	80020	152	8.0	11.0	10.8	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
JAN 04...	1145	0.9	62	21	2.3	50	0.360	0.020	<0.020	100
MAY 02...	1150	2.3	62	21	2.3	64	0.250	0.020	0.010	<10
AUG 08...	1150	1.4	66	22	2.6	48	0.420	<0.020	0.010	90

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JAN 04...	1145	<1	<10	3	110	<5	110	<0.10	2	10
MAY 02...	1150	<1	<10	3	70	<5	10	<0.10	2	<10
AUG 08...	1150	<1	<10	<1	70	<1	30	<0.10	1	<10

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARK.

LOCATION.--Lat 36°20'56", long 93°35'24", in SE ¼ SW ¼ sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221 at McKennon Ford, and 1.0 mi southwest of Berryville.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT										
06...	1545	80513	80513	7.2	305	--	16.0	--	--	--
25...	1005	9827	9827	--	--	7.4	15.0	5.0	7.9	--
NOV										
29...	1040	9827	9827	--	--	7.9	8.0	15	10.4	0.9
DEC										
27...	1045	9827	9827	--	--	7.6	9.0	15	10.1	2.3
JAN										
24...	1010	9827	9827	--	--	8.2	8.0	2.5	11.2	1.7
FEB										
21...	1110	9827	9827	--	--	7.4	6.0	--	11.1	1.4
MAR										
28...	1010	9827	9827	--	--	7.9	16.0	--	9.1	2.1
APR										
25...	1025	9827	9827	--	--	8.0	21.0	2.5	7.6	1.8
MAY										
23...	1025	9827	9827	--	--	8.0	21.0	10	7.6	2.7
JUN										
27...	0850	9827	9827	--	--	7.7	22.0	35	6.2	4.8
JUL										
19...	1055	9827	9827	--	--	7.9	22.0	10	6.7	3.0
AUG										
22...	1050	9827	9827	--	--	8.0	27.0	8.0	6.5	2.3
SEP										
26...	1040	9827	9827	--	--	8.2	16.0	7.3	9.9	2.4

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT										
25...	1005	1.5	7.0	--	8	0.050	--	--	[illegible]	0.030
NOV										
29...	1040	3.5	9.0	112	5	0.970	0.050	--	--	0.030
DEC										
27...	1045	3.5	10	159	9	0.880	0.020	0.58	0.60	0.100
JAN										
24...	1010	4.5	9.0	133	1	0.680	0.010	0.29	0.30	0.010
FEB										
21...	1110	3.0	5.0	--	17	0.800	0.010	0.29	0.30	0.050
MAR										
28...	1010	3.5	--	--	--	0.690	0.100	0.40	0.50	--
APR										
25...	1025	3.3	--	127	4	0.330	0.100	0.70	0.80	0.010
MAY										
23...	1025	3.2	10	129	13	0.400	<0.010	--	0.50	0.060
JUN										
27...	0850	3.6	6.0	152	41	0.840	0.170	0.93	1.1	0.330
JUL										
19...	1055	3.5	--	162	17	0.220	<0.050	--	0.60	0.120
AUG										
22...	1050	3.2	6.0	164	14	0.020	0.110	0.64	0.75	0.040
SEP										
26...	1040	5.0	[illegible]	188	14	<0.020	<0.050	--	0.54	0.060

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARK. --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	1005	0.010	--	<1	<15	<1	<0.50	10	6.0
NOV									
29...	1040	0.040	<1	1	<15	<1	--	<10	--
DEC									
27...	1045	0.010	<1	<1	<15	5	--	20	4.3
JAN									
24...	1010	0.020	<1	<1	20	5	--	<10	3.5
FEB									
21...	1110	0.020	<1	<1	<15	3	--	20	2.8
MAR									
28...	1010	<0.010	<1	<1	--	1	--	10	3.6
APR									
25...	1025	<0.010	--	<1	<15	<1	--	<10	2.4
MAY									
23...	1025	0.030	<1	<1	<15	1	--	10	3.4
JUN									
27...	0850	0.190	<1	<1	<15	2	--	30	9.1
JUL									
19...	1055	<0.030	<1	<1	<15	1	--	<10	4.5
AUG									
22...	1050	<0.030	<1	--	34	2	--	50	2.2
SEP									
26...	1040	0.030	<1	1	15	<2	<0.40	<10	4.5

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARK.

LOCATION.--Lat 36°21'50", long 93°36'26", in SE ¼ SW ¼ sec.26, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at north end of spur road off Highway 221, and 0.6 mi southwest of waterworks.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT									
25...	1025	9827	9827	7.3	14.0	3.5	7.0	--	29
NOV									
29...	1055	9827	9827	7.9	8.0	15	10.5	1.3	4.0
DEC									
27...	1100	9827	9827	7.7	9.0	10	10.2	1.3	4.5
JAN									
24...	1025	9827	9827	8.2	8.0	2.0	12.2	1.5	8.5
APR									
25...	1040	9827	9827	8.2	22.0	2.5	9.6	2.0	4.6
MAY									
23...	1045	9827	9827	8.0	23.0	7.0	8.2	1.8	3.7
JUN									
27...	1000	9827	9827	7.7	23.0	60	6.2	4.9	4.9
AUG									
22...	1110	9827	9827	8.1	27.0	6.5	7.0	2.4	18
SEP									
26...	1100	9827	9827	8.3	15.0	6.5	10.2	3.5	15

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)
OCT									
25...	1025	19	--	4	2.20	--	--	0.60	3.50
NOV									
29...	1055	9.0	120	7	1.00	0.050	--	--	0.150
DEC									
27...	1100	10	168	6	1.10	0.030	0.37	0.40	0.170
JAN									
24...	1025	12	155	2	0.810	0.010	0.39	0.40	0.760
APR									
25...	1040	--	138	4	0.560	0.120	0.58	0.70	0.410
MAY									
23...	1045	11	134	9	0.520	<0.010	--	0.40	0.210
JUN									
27...	1000	7.0	150	56	1.10	0.240	0.96	1.2	0.940
AUG									
22...	1110	24	225	12	0.910	0.240	0.58	0.82	1.80
SEP									
26...	1100	20	238	15	0.900	<0.050	--	0.78	2.30

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	1025	2.90	--	<1	<15	<1	<0.50	10	6.8
NOV									
29...	1055	0.140	<1	5	<15	6	--	<10	--
DEC									
27...	1100	0.110	<1	<1	<15	3	--	20	3.0
JAN									
24...	1025	0.750	<1	<1	<15	13	--	10	3.9
APR									
25...	1040	0.320	--	<1	<15	<1	--	<10	3.6
MAY									
23...	1045	0.180	<1	<1	<15	1	--	<10	2.9
JUN									
27...	1000	0.580	<1	<1	25	3	--	10	9.7
AUG									
22...	1110	1.94	<1	--	40	2	--	40	4.6
SEP									
26...	1100	1.92	<1	1	23	<2	<0.40	<10	3.2

07050500 KINGS RIVER NEAR BERRYVILLE, ARK.

LOCATION.--Lat 36°25'36", long 93°37'15", in SE ¼ NE ¼ sec.3, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, on right bank at downstream side of bridge on State Highway 143, 1.5 mi downstream from Bee Creek, 2.5 mi upstream from Clabber Creek, 5.3 mi northwest of Berryville, and at mile 35.1.

DRAINAGE AREA.--527 mi^2.

PERIOD OF RECORD.--October 1953 to September 1960, October 1971 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
25.	0940	9827	9827	63	7.4	14.0	3.5	9.1	--
NOV									
29.	1015	9827	9827	638	8.1	8.0	15	10.3	1.7
DEC									
27.	1020	9827	9827	264	7.5	9.0	9.5	10.4	1.8
JAN									
24.	0945	9827	9827	87	8.6	7.0	2.0	13.7	2.2
FEB									
21.	1040	9827	9827	2470	7.3	6.0	--	11.3	1.0
MAR									
28.	0945	9827	9827	668	7.9	16.0	--	9.0	2.3
APR									
25.	1000	9827	9827	314	8.1	22.0	2.5	8.4	3.9
MAY									
23.	1000	9827	9827	1180	8.0	20.0	10	7.9	2.2
JUN									
27.	0925	9827	9827	456	7.9	24.0	20	6.7	2.6
JUL									
19.	1030	9827	9827	166	8.0	23.0	4.5	7.0	1.6
AUG									
22.	1025	9827	9827	47	7.9	26.0	6.0	6.9	1.9
SEP									
26.	1020	9827	9827	27	8.2	15.0	3.5	9.6	2.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
25.	0940	12	9.0	--	9	0.080	--	0.380	0.340
NOV									
29.	1015	3.0	7.0	102	5	0.740	0.040	0.060	0.080
DEC									
27.	1020	3.5	9.0	145	5	0.590	0.020	0.110	0.050
JAN									
24.	0945	4.5	8.0	125	3	0.230	0.040	0.090	0.090
FEB									
21.	1040	3.0	6.0	--	18	0.940	0.010	0.060	0.060
MAR									
28.	0945	3.0	--	--	--	0.480	0.040	--	<0.010
APR									
25.	1000	3.4	--	117	4	0.180	0.090	0.070	0.040
MAY									
23.	1000	3.0	10	130	19	0.300	<0.010	0.080	0.080
JUN									
27.	0925	3.7	5.0	129	20	0.380	0.090	0.130	0.060
JUL									
19.	1030	4.5	--	149	9	0.440	<0.050	0.250	0.180
AUG									
22.	1025	6.0	8.0	164	11	0.210	<0.050	0.580	0.470
SEP									
26.	1020	8.7	9.0	196	6	0.590	<0.050	0.640	0.410

07050500 KINGS RIVER NEAR BERRYVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	0940	--	<1	<15	3	<0.50	<10	4.7
NOV								
29.	1015	<1	<1	19	2	--	20	--
DEC								
27.	1020	<1	<1	19	3	--	<10	4.0
JAN								
24.	0945	<1	1	<15	3	--	10	3.2
FEB								
21.	1040	<1	<1	20	1	--	10	2.3
MAR								
28.	0945	<1	1	--	1	--	10	3.1
APR								
25.	1000	--	<1	15	4	--	<10	2.5
MAY								
23.	1000	<1	<1	<15	1	--	<20	4.4
JUN								
27.	0925	<1	<1	<15	1	--	10	4.5
JUL								
19.	1030	<1	<1	21	1	--	<10	3.7
AUG								
22.	1025	<1	--	24	3	--	140	3.4
SEP								
26.	1020	<1	<1	29	<2	<0.40	<10	4.1

07053230 LONG CREEK NEAR DENVER, ARK.

LOCATION.--Lat 36°25'46", long 93°18'22", in SE ¼ SW ¼ sec.34, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, on low-water bridge on county road off State Highway 311, 2.7 mi north of Denver.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
25.	1100	9827	9827	7.4	14.0	1.5	9.4	--	15
NOV									
29.	1140	9827	9827	7.8	10.0	10	10.2	0.8	4.5
DEC									
27.	1145	9827	9827	7.7	10.0	10	10.1	2.9	5.5
JAN									
24.	1105	9827	9827	8.2	10.0	2.0	13.0	1.5	8.0
FEB									
21.	1200	9827	9827	7.3	8.0	--	10.8	2.0	4.5
MAR									
28.	1100	9827	9827	7.9	16.0	--	10.0	1.9	5.0
APR									
25.	1125	9827	9827	8.1	20.0	2.0	9.8	1.6	5.1
MAY									
23.	1130	9827	9827	8.0	31.0	15	8.2	1.5	6.8
JUN									
27.	1045	9827	9827	8.0	23.0	6.0	8.1	1.8	7.5
JUL									
19.	1135	9827	9827	7.9	20.0	25	7.3	1.6	6.3
AUG									
22.	1150	9827	9827	7.9	24.0	30	7.4	2.3	5.9
SEP									
26.	1140	9827	9827	8.1	16.0	2.3	10.1	1.2	11

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
25.	1100	20	--	2	0.850	--	0.030	--
NOV								
29.	1140	9.0	136	6	1.20	0.040	0.060	0.050
DEC								
27.	1145	14	171	5	1.30	0.030	0.080	0.020
JAN								
24.	1105	15	177	2	1.40	0.020	0.020	--
FEB								
21.	1200	8.0	--	9	1.40	0.050	0.060	0.070
MAR								
28.	1100	--	--	--	1.50	0.090	--	<0.010
APR								
25.	1125	--	171	4	0.980	0.120	0.020	0.050
MAY								
23.	1130	20	175	15	1.00	<0.010	0.050	0.040
JUN								
27.	1045	15	181	7	1.40	0.110	0.050	<0.010
JUL								
19.	1135	--	178	33	1.10	0.090	0.130	<0.030
AUG								
22.	1150	9.0	182	25	1.10	<0.050	0.080	0.050
SEP								
26.	1140	18	229	4	1.30	<0.050	<0.030	0.060

07053230 LONG CREEK NEAR DENVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1100	--	<1	<15	<1	<0.50	<10	3.7
NOV								
29.	1140	<1	<1	<15	1	--	10	--
DEC								
27.	1145	<1	<1	<15	3	--	20	2.6
JAN								
24.	1105	<1	<1	--	18	--	20	3.9
FEB								
21.	1200	<1	<1	<15	<1	--	10	2.2
MAR								
28.	1100	<1	<1	--	1	--	<10	3.4
APR								
25.	1125	--	<1	15	<1	--	<10	2.7
MAY								
23.	1130	<1	<1	<15	<1	--	10	3.3
JUN								
27.	1045	<1	<1	16	1	--	20	3.6
JUL								
19.	1135	1	<1	16	1	--	<10	4.5
AUG								
22.	1150	<1	--	<15	<2	--	40	6.4
SEP								
26.	1140	<1	2	15	<2	<0.40	<10	1.9

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.

LOCATION.--Lat 36°35'46", long 93°18'35", in NW ¼ sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek, and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi².

PERIOD OF RECORD.--December 1973 to current year.

COOPERATION.--Records prior to October 1978 are available from U.S. Army Corps of Engineers, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
04...	1220	80513	80020	0.0	193	8.2	23.0	7.6	3.80
04...	1221	80513	80020	10.0	193	8.2	23.0	7.4	--
04...	1222	80513	80020	20.0	194	8.2	23.0	7.4	--
04...	1223	80513	80020	30.0	193	8.2	23.0	7.2	--
04...	1224	80513	80020	40.0	194	8.2	23.0	7.1	--
04...	1225	80513	80020	43.0	212	8.1	22.5	3.2	--
04...	1226	80513	80020	44.0	227	7.4	21.0	0.4	--
04...	1227	80513	80020	45.0	233	7.3	19.5	0.2	--
04...	1228	80513	80020	46.0	237	7.3	19.0	0.2	--
04...	1229	80513	80020	47.0	238	7.3	18.5	0.2	--
04...	1230	80513	80020	49.0	238	7.3	18.0	0.2	--
04...	1231	80513	80020	50.0	239	7.3	18.0	0.2	--
04...	1232	80513	80020	52.0	241	7.3	17.0	0.2	--
04...	1233	80513	80020	55.0	241	7.3	16.5	0.2	--
04...	1234	80513	80020	58.0	241	7.4	15.5	0.2	--
04...	1235	80513	80020	60.0	240	7.3	15.0	0.1	--
04...	1236	80513	80020	65.0	237	7.3	14.5	0.2	--
04...	1237	80513	80020	70.0	237	7.3	13.5	0.2	--
04...	1238	80513	80020	80.0	233	7.3	13.0	0.7	--
04...	1239	80513	80020	90.0	210	7.3	12.0	1.8	--
04...	1240	80513	80020	100	217	7.3	12.0	2.2	--
04...	1241	80513	80020	110	202	7.2	11.5	2.4	--
04...	1242	80513	80020	120	202	7.2	11.0	2.6	--
04...	1243	80513	80020	130	200	7.2	11.0	2.1	--
04...	1244	80513	80020	140	207	7.1	10.5	1.0	--
04...	1245	80513	80020	150	217	7.1	10.0	0.3	--
04...	1246	80513	80020	160	230	7.1	9.5	0.2	--
04...	1247	80513	80020	170	239	7.2	9.0	0.2	--
04...	1248	80513	80020	180	247	7.2	8.5	0.2	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
19...	0730	80513	80020	0.0	196	8.5	18.5	8.7	3.30
19...	0732	80513	80020	10.0	195	8.4	18.5	8.3	--
19...	0734	80513	80020	20.0	196	8.4	19.0	8.2	--
19...	0736	80513	80020	30.0	197	8.4	19.0	8.2	--
19...	0738	80513	80020	40.0	195	8.4	19.0	8.2	--
19...	0740	80513	80020	50.0	204	8.1	18.5	5.1	--
19...	0742	80513	80020	52.0	224	7.7	17.0	1.5	--
19...	0744	80513	80020	54.0	237	7.6	15.5	0.3	--
19...	0746	80513	80020	59.0	235	7.6	14.5	0.3	--
19...	0748	80513	80020	60.0	235	7.6	14.5	0.3	--
19...	0750	80513	80020	70.0	227	7.5	13.5	0.2	--
19...	0752	80513	80020	80.0	224	7.5	13.0	0.3	--
19...	0754	80513	80020	90.0	215	7.4	12.0	0.9	--
19...	0756	80513	80020	100	207	7.4	11.5	1.6	--
19...	0758	80513	80020	110	205	7.4	11.5	1.8	--
19...	0800	80513	80020	120	209	7.4	11.0	1.7	--
19...	0802	80513	80020	130	201	7.3	10.5	1.2	--
19...	0804	80513	80020	140	205	7.3	10.0	0.3	--
19...	0806	80513	80020	150	216	7.3	10.0	0.3	--
19...	0808	80513	80020	160	224	7.3	9.5	0.3	--
19...	0810	80513	80020	165	237	7.3	9.0	0.3	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
02...	1115	80513	80020	0.0	207	8.0	16.5	8.3	4.60
02...	1116	80513	80020	10.0	207	8.0	16.5	8.1	--
02...	1117	80513	80020	20.0	207	8.0	16.5	7.9	--
02...	1118	80513	80020	30.0	207	8.0	16.5	7.8	--
02...	1119	80513	80020	40.0	208	8.0	16.5	7.8	--
02...	1120	80513	80020	50.0	207	7.9	16.5	7.5	--
02...	1121	80513	80020	60.0	210	7.9	16.5	7.0	--
02...	1122	80513	80020	63.0	213	7.5	16.0	3.8	--
02...	1123	80513	80020	64.0	233	7.4	15.0	0.4	--
02...	1124	80513	80020	66.0	233	7.3	14.0	0.2	--
02...	1125	80513	80020	70.0	230	7.3	13.5	0.2	--
02...	1126	80513	80020	80.0	221	7.2	13.0	0.2	--
02...	1127	80513	80020	90.0	221	7.2	12.5	0.2	--
02...	1128	80513	80020	100	218	7.2	12.0	0.9	--
02...	1129	80513	80020	110	216	7.1	11.5	1.1	--
02...	1130	80513	80020	120	218	7.1	11.5	1.0	--
02...	1131	80513	80020	130	206	7.1	11.0	0.3	--
02...	1132	80513	80020	140	208	7.1	10.5	0.3	--
02...	1133	80513	80020	150	219	7.0	10.0	0.3	--
02...	1134	80513	80020	160	228	7.1	9.5	0.3	--
02...	1135	80513	80020	165	235	7.1	9.0	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
18...	1050	80513	80020	0.0	205	8.0	14.5	8.6	5.20
18...	1051	80513	80020	10.0	204	8.0	14.5	8.5	--
18...	1052	80513	80020	20.0	204	8.0	14.5	8.4	--
18...	1053	80513	80020	30.0	204	8.0	14.5	8.4	--
18...	1054	80513	80020	40.0	204	8.0	14.5	8.3	--
18...	1055	80513	80020	50.0	203	8.0	14.5	8.2	--
18...	1056	80513	80020	60.0	203	8.0	14.5	8.1	--
18...	1057	80513	80020	70.0	204	8.0	14.5	7.8	--
18...	1058	80513	80020	80.0	205	7.9	14.0	7.4	--
18...	1059	80513	80020	87.0	215	7.6	13.0	1.7	--
18...	1100	80513	80020	90.0	215	7.5	12.5	0.6	--
18...	1101	80513	80020	100	211	7.5	12.0	0.3	--
18...	1102	80513	80020	110	212	7.4	11.5	0.3	--
18...	1103	80513	80020	120	207	7.4	11.0	0.3	--
18...	1104	80513	80020	130	203	7.4	10.5	0.2	--
18...	1105	80513	80020	140	201	7.3	10.5	0.2	--
18...	1106	80513	80020	150	213	7.3	10.0	0.2	--
18...	1107	80513	80020	160	217	7.3	9.5	0.2	--
18...	1108	80513	80020	163	220	7.4	9.5	0.2	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV								
30...	0700	80513	80020	0.0	185	8.0	12.5	9.6
30...	0701	80513	80020	10.0	184	8.0	12.5	8.9
30...	0702	80513	80020	20.0	184	8.0	12.5	8.7
30...	0703	80513	80020	30.0	183	7.9	12.5	8.6
30...	0704	80513	80020	40.0	183	7.9	12.5	8.5
30...	0705	80513	80020	50.0	182	7.9	12.5	8.5
30...	0706	80513	80020	60.0	183	7.9	12.5	8.4
30...	0708	80513	80020	70.0	183	7.9	12.5	8.4
30...	0709	80513	80020	80.0	184	7.9	12.5	8.3
30...	0710	80513	80020	90.0	183	7.9	12.5	8.2
30...	0711	80513	80020	100	182	7.9	12.5	8.2
30...	0712	80513	80020	110	181	7.9	12.5	8.0
30...	0713	80513	80020	120	182	7.8	12.5	7.4
30...	0714	80513	80020	130	187	7.5	11.5	1.6
30...	0715	80513	80020	140	187	7.4	11.0	0.4
30...	0716	80513	80020	150	182	7.3	10.5	0.3
30...	0717	80513	80020	160	197	7.3	9.5	0.2
30...	0718	80513	80020	166	198	7.3	9.5	0.2

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
DEC									
14...	1335	80513	80020	0.0	206	7.8	11.5	8.3	3.40
14...	1336	80513	80020	10.0	206	7.8	11.0	8.0	--
14...	1337	80513	80020	20.0	207	7.8	11.0	8.0	--
14...	1338	80513	80020	30.0	207	7.8	11.0	7.9	--
14...	1339	80513	80020	40.0	207	7.7	11.0	7.9	--
14...	1340	80513	80020	50.0	207	7.7	11.0	7.9	--
14...	1341	80513	80020	60.0	207	7.7	11.0	7.8	--
14...	1342	80513	80020	70.0	208	7.7	11.0	7.7	--
14...	1343	80513	80020	80.0	208	7.7	11.0	7.7	--
14...	1344	80513	80020	90.0	208	7.7	11.0	7.6	--
14...	1345	80513	80020	100	208	7.7	11.0	7.6	--
14...	1346	80513	80020	110	208	7.6	11.0	7.4	--
14...	1347	80513	80020	120	207	7.7	11.0	7.4	--
14...	1348	80513	80020	130	209	7.6	11.0	6.5	--
14...	1349	80513	80020	140	207	7.4	11.0	3.3	--
14...	1350	80513	80020	150	212	7.2	10.5	0.4	--
14...	1351	80513	80020	160	219	7.2	10.0	0.3	--
14...	1352	80513	80020	167	222	7.2	10.0	0.2	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
DEC									
28...	1300	80513	80020	0.0	209	7.5	10.0	8.7	4.10
28...	1301	80513	80020	10.0	210	7.5	10.0	8.5	--
28...	1302	80513	80020	20.0	210	7.5	10.0	8.4	--
28...	1303	80513	80020	30.0	210	7.6	10.0	8.3	--
28...	1304	80513	80020	40.0	211	7.6	10.0	8.3	--
28...	1305	80513	80020	50.0	211	7.6	10.0	8.3	--
28...	1306	80513	80020	60.0	211	7.6	10.0	8.2	--
28...	1307	80513	80020	70.0	211	7.6	10.0	8.1	--
28...	1308	80513	80020	80.0	212	7.6	10.0	8.2	--
28...	1309	80513	80020	90.0	213	7.6	10.0	8.2	--
28...	1310	80513	80020	100	213	7.6	10.0	8.1	--
28 ..	1311	80513	80020	110	213	7.6	10.0	8.1	--
28...	1312	80513	80020	120	213	7.6	10.0	8.1	--
28...	1313	80513	80020	130	213	7.6	10.0	8.1	--
28...	1314	80513	80020	140	214	7.6	10.0	8.1	--
28...	1315	80513	80020	150	214	7.6	10.0	8.1	--
28...	1316	80513	80020	160	215	7.6	10.0	8.0	--
28...	1317	80513	80020	167	215	7.6	10.0	7.9	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
09...	1445	80513	80020	0.0	206	7.9	9.0	10.1
09...	1446	80513	80020	3.00	206	7.9	9.0	9.8
09...	1447	80513	80020	10.0	207	7.9	9.0	9.5
09...	1448	80513	80020	20.0	208	7.9	9.0	9.4
09...	1450	80513	81213	25.0	208	7.9	9.0	9.3
09...	1451	80513	80020	30.0	208	7.9	9.0	9.3
09...	1452	80513	80020	40.0	207	7.9	9.0	9.3
09...	1453	80513	80020	50.0	208	7.9	9.0	9.3
09...	1454	80513	80020	60.0	208	7.9	9.0	9.3
09...	1455	80513	80020	70.0	208	7.9	9.0	9.2
09...	1456	80513	80020	80.0	208	7.9	9.0	9.2
09...	1458	80513	80020	90.0	208	7.9	9.0	9.2
09...	1500	80513	81213	100	208	7.9	9.0	9.2
09...	1501	80513	80020	110	209	7.9	9.0	9.1
09...	1502	80513	80020	120	209	7.9	9.0	9.2
09...	1503	80513	80020	130	209	7.9	9.0	9.1
09...	1504	80513	80020	140	211	7.9	9.0	9.1
09...	1505	80513	80020	150	211	7.9	9.0	9.2
09...	1506	80513	80020	160	211	7.9	9.0	9.1
09...	1507	80513	80020	170	213	7.9	9.0	9.0
09...	1508	80513	80020	180	213	7.9	9.0	8.9
09...	1509	80513	80020	190	215	7.9	9.0	8.9
09...	1510	80513	80020	199	215	7.9	9.0	9.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
09...	1445	4.30	0	--	--	--	--	--
09...	1450	--	--	<5	0.60	1.1	99	31
09...	1500	--	--	<5	0.60	1.4	98	31

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
09...	1446	--	--	0.180	<0.020	<0.010	1.00	<0.100
09...	1450	5.3	96	0.180	<0.020	<0.010	--	--
09...	1500	4.9	92	0.180	<0.020	<0.010	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
FEB									
16...	1245	80513	80020	0.0	210	8.1	6.5	13.4	3.70
16...	1246	80513	80020	10.0	210	8.1	6.5	13.4	--
16...	1247	80513	80020	20.0	210	8.0	6.5	13.6	--
16...	1248	80513	80020	30.0	210	8.0	6.5	13.8	--
16...	1249	80513	80020	40.0	209	8.0	6.5	13.9	--
16...	1250	80513	80020	50.0	209	8.0	6.5	11.9	--
16...	1251	80513	80020	60.0	209	8.0	6.5	11.1	--
16...	1252	80513	80020	70.0	210	8.0	6.5	11.1	--
16...	1253	80513	80020	80.0	210	8.0	6.5	11.9	--
16...	1254	80513	80020	90.0	209	8.0	6.5	11.2	--
16...	1255	80513	80020	100	209	8.0	6.5	11.1	--
16...	1256	80513	80020	110	209	8.0	6.5	11.3	--
16...	1257	80513	80020	120	211	8.0	6.5	11.5	--
16...	1258	80513	80020	130	211	8.0	6.5	12.0	--
16...	1259	80513	80020	140	207	8.0	6.5	10.8	--
16...	1300	80513	80020	150	203	8.0	6.0	10.8	--
16...	1301	80513	80020	160	215	8.0	6.0	10.7	--
16...	1302	80513	80020	170	225	8.0	6.5	10.5	--
16...	1303	80513	80020	178	227	7.9	6.0	10.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR									
15...	1330	80513	80020	0.0	213	7.8	7.5	12.1	3.30
15...	1331	80513	80020	10.0	213	8.0	7.5	11.9	--
15...	1332	80513	80020	20.0	213	8.1	7.5	11.8	--
15...	1333	80513	80020	30.0	214	8.1	7.0	11.7	--
15...	1334	80513	80020	40.0	215	8.0	7.0	11.4	--
15...	1335	80513	80020	50.0	215	8.0	6.5	11.3	--
15...	1336	80513	80020	60.0	215	8.0	6.5	11.2	--
15...	1337	80513	80020	70.0	215	8.0	6.5	11.1	--
15...	1338	80513	80020	80.0	216	8.0	6.5	11.1	--
15...	1339	80513	80020	90.0	216	7.9	6.0	10.9	--
15...	1340	80513	80020	100	217	8.0	5.5	10.7	--
15...	1341	80513	80020	110	217	8.0	5.5	10.7	--
15...	1342	80513	80020	120	218	8.0	5.5	10.6	--
15...	1343	80513	80020	130	216	8.0	5.5	10.3	--
15...	1344	80513	80020	140	214	8.0	5.5	10.6	--
15...	1345	80513	80020	150	216	8.0	5.5	10.5	--
15...	1346	80513	80020	160	219	8.0	5.5	10.4	--
15...	1347	80513	80020	170	217	8.0	5.5	10.6	--
15...	1348	80513	80020	180	218	8.0	5.5	10.5	--
15...	1349	80513	80020	182	217	8.0	5.5	10.6	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
APR									
12...	1700	80513	80020	0.0	220	8.5	13.0	11.1	3.60
12...	1701	80513	80020	5.00	220	8.5	11.5	11.5	--
12...	1702	80513	80020	10.0	221	8.5	10.5	11.2	--
12...	1703	80513	80020	20.0	221	8.4	10.5	11.2	--
12...	1704	80513	80020	30.0	222	8.5	10.0	11.1	--
12...	1705	80513	80020	40.0	222	8.5	10.0	11.0	--
12...	1706	80513	80020	50.0	222	8.4	10.0	10.9	--
12...	1707	80513	80020	60.0	221	8.4	10.0	10.8	--
12...	1708	80513	80020	70.0	221	8.3	9.5	10.4	--
12...	1709	80513	80020	75.0	220	8.1	8.5	10.2	--
12...	1710	80513	80020	80.0	220	8.1	8.0	10.1	--
12...	1711	80513	80020	90.0	222	8.0	7.5	10	--
12...	1712	80513	80020	100	226	8.0	7.0	9.9	--
12...	1713	80513	80020	110	226	8.0	7.0	10	--
12...	1714	80513	80020	120	226	8.0	7.0	10	--
12...	1715	80513	80020	130	227	8.0	6.5	9.9	--
12...	1716	80513	80020	140	232	8.0	6.5	9.9	--
12...	1717	80513	80020	150	237	8.0	6.0	9.8	--
12...	1718	80513	80020	160	242	8.0	6.0	9.7	--
12...	1719	80513	80020	170	244	8.0	5.5	9.6	--
12...	1720	80513	80020	178	244	7.9	5.5	9.4	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAY								
03...	1410	80513	80020	0.0	211	9.1	18.0	11.0
03...	1411	80513	80020	3.00	211	9.1	18.0	10.9
03...	1412	80513	81213	10.0	211	9.1	17.5	10.9
03...	1413	80513	80020	20.0	211	9.0	17.0	10.7
03...	1414	80513	81213	25.0	213	8.9	16.0	10.6
03...	1415	80513	80020	27.0	214	8.8	15.5	10.3
03...	1416	80513	80020	28.0	213	8.7	14.5	10.5
03...	1417	80513	80020	30.0	213	8.6	13.5	10.4
03...	1418	80513	80020	34.0	216	8.5	12.0	9.9
03...	1419	80513	80020	38.0	217	8.4	11.5	9.6
03...	1420	80513	80020	40.0	217	8.4	11.0	9.6
03...	1421	80513	80020	50.0	217	8.3	10.5	9.5
03...	1422	80513	80020	60.0	217	8.3	10.5	9.5
03...	1423	80513	80020	70.0	219	8.1	9.0	9.2
03...	1424	80513	80020	80.0	219	8.1	8.5	9.2
03...	1425	80513	80020	90.0	217	8.1	8.0	9.4
03...	1426	80513	81213	100	217	8.1	8.0	9.4
03...	1427	80513	80020	110	217	8.1	7.5	9.5
03...	1428	80513	80020	120	218	8.1	7.0	9.6
03...	1429	80513	80020	130	222	8.1	7.0	9.5
03...	1430	80513	80020	140	224	8.1	7.0	9.5
03...	1431	80513	80020	150	234	8.1	6.5	9.3
03...	1432	80513	80020	160	242	8.0	6.0	9.0
03...	1433	80513	80020	170	246	8.0	6.0	8.6
03...	1434	80513	80020	179	251	8.0	6.0	8.2

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
MAY								
03...	1410	4.20	0	--	--	--	--	--
03...	1414	--	--	<5	1.0	1.5	100	32
03...	1426	--	--	<5	0.30	0.6	100	32

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY								
03...	1411	--	--	0.200	0.030	<0.010	2.00	<0.100
03...	1414	5.4	94	0.200	0.030	0.010	--	--
03...	1426	5.8	96	0.330	0.040	0.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN									
08...	0845	80513	80020	0.0	192	8.8	23.0	12.0	2.60
08...	0846	80513	80020	10.0	191	8.6	23.5	10.5	--
08...	0847	80513	80020	17.0	198	8.7	22.5	10.4	--
08...	0848	80513	80020	18.0	211	8.5	20.5	8.9	--
08...	0849	80513	80020	19.0	211	8.4	19.5	8.5	--
08...	0850	80513	80020	20.0	212	8.3	19.5	8.3	--
08...	0851	80513	80020	22.0	214	8.3	18.0	8.1	--
08...	0852	80513	80020	24.0	216	8.2	17.5	8.1	--
08...	0853	80513	80020	26.0	219	8.2	16.5	8.0	--
08...	0854	80513	80020	30.0	218	8.1	16.0	7.7	--
08...	0855	80513	80020	32.0	218	8.1	15.5	7.7	--
08...	0856	80513	80020	35.0	221	8.0	14.5	7.5	--
08...	0857	80513	80020	40.0	221	7.9	13.0	7.1	--
08...	0858	80513	80020	45.0	223	7.9	11.5	7.4	--
08...	0859	80513	80020	50.0	222	7.8	11.0	7.5	--
08...	0900	80513	80020	60.0	223	7.9	10.5	7.7	--
08...	0901	80513	80020	70.0	224	7.8	10.0	7.6	--
08...	0902	80513	80020	80.0	224	7.8	9.5	7.6	--
08...	0903	80513	80020	90.0	223	7.8	9.0	7.7	--
08...	0904	80513	80020	100	222	7.8	8.0	7.9	--
08...	0905	80513	80020	110	221	7.8	8.0	8.0	--
08...	0906	80513	80020	120	224	7.8	7.5	8.1	--
08...	0907	80513	80020	130	229	7.8	7.0	8.0	--
08...	0908	80513	80020	140	240	7.8	7.0	7.7	--
08...	0909	80513	80020	150	245	7.8	7.0	7.4	--
08...	0910	80513	80020	160	252	7.7	6.5	7.0	--
08...	0911	80513	80020	170	255	7.7	6.5	6.8	--
08...	0912	80513	80020	177	258	7.7	6.5	6.5	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUL									
13...	1325	80513	80020	0.0	198	8.3	29.5	7.7	4.70
13...	1326	80513	80020	10.0	199	8.3	29.0	7.7	--
13...	1327	80513	80020	18.0	199	8.3	28.5	7.8	--
13...	1328	80513	80020	19.0	199	8.4	27.5	8.7	--
13...	1329	80513	80020	20.0	199	8.5	26.5	9.2	--
13...	1330	80513	80020	21.0	200	8.5	25.5	9.5	--
13...	1331	80513	80020	24.0	203	8.4	24.5	8.8	--
13...	1332	80513	80020	26.0	206	8.3	23.5	8.4	--
13...	1333	80513	80020	28.0	210	8.1	22.5	7.8	--
13...	1334	80513	80020	30.0	215	7.9	21.5	6.8	--
13...	1335	80513	80020	31.0	222	7.7	20.0	5.9	--
13...	1336	80513	80020	33.0	224	7.6	18.5	5.2	--
13...	1337	80513	80020	37.0	224	7.5	17.5	4.7	--
13...	1338	80513	80020	40.0	225	7.5	16.5	4.4	--
13...	1339	80513	80020	42.0	223	7.5	15.5	4.1	--
13...	1340	80513	80020	45.0	220	7.6	14.5	4.2	--
13...	1341	80513	80020	50.0	214	7.5	14.0	4.4	--
13...	1342	80513	80020	60.0	203	7.5	12.5	5.1	--
13...	1343	80513	80020	70.0	217	7.6	11.5	5.4	--
13...	1344	80513	80020	80.0	224	7.6	11.0	5.6	--
13...	1345	80513	80020	90.0	225	7.6	10.5	5.6	--
13...	1346	80513	80020	100	222	7.6	10.0	5.7	--
13...	1347	80513	80020	110	229	7.6	10.0	5.9	--
13...	1348	80513	80020	120	227	7.6	9.0	6.1	--
13...	1349	80513	80020	130	224	7.6	8.5	6.0	--
13...	1350	80513	80020	140	228	7.5	8.0	6.0	--
13...	1351	80513	80020	150	239	7.5	7.5	5.8	--
13...	1352	80513	80020	160	251	7.5	7.5	5.1	--
13...	1353	80513	80020	170	256	7.5	7.0	7.2	--
13...	1354	80513	80020	177	255	7.5	7.0	3.6	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUL									
31...	1230	80513	80020	0.0	192	8.4	27.5	8.2	3.50
31...	1231	80513	80020	10.0	193	8.4	27.5	8.1	--
31...	1232	80513	80020	15.0	190	8.5	26.5	9.1	--
31...	1233	80513	80020	16.0	191	8.5	26.0	9.1	--
31...	1234	80513	80020	20.0	192	8.4	25.0	8.4	--
31...	1235	80513	80020	24.0	196	8.3	24.5	7.8	--
31...	1236	80513	80020	26.0	201	8.1	23.5	7.0	--
31...	1237	80513	80020	28.0	204	7.9	22.5	6.0	--
31...	1238	80513	80020	29.0	209	7.8	21.5	5.4	--
31...	1239	80513	80020	30.0	211	7.7	20.5	5.1	--
31...	1240	80513	80020	32.0	211	7.6	19.5	4.6	--
31...	1241	80513	80020	35.0	212	7.5	18.5	3.9	--
31...	1242	80513	80020	39.0	214	7.5	17.5	3.1	--
31...	1243	80513	80020	40.0	213	7.5	17.0	2.9	--
31...	1244	80513	80020	43.0	213	7.5	15.5	2.9	--
31...	1245	80513	80020	47.0	212	7.5	14.5	3.1	--
31...	1246	80513	80020	50.0	207	7.5	14.0	3.3	--
31...	1247	80513	80020	55.0	190	7.5	13.0	4.1	--
31...	1248	80513	80020	60.0	178	7.5	12.0	4.9	--
31...	1249	80513	80020	70.0	211	7.6	11.5	5.0	--
31...	1250	80513	80020	80.0	212	7.6	11.0	5.2	--
31...	1251	80513	80020	90.0	213	7.6	10.5	5.4	--
31...	1252	80513	80020	100	222	7.6	10.0	5.5	--
31...	1253	80513	80020	110	211	7.6	9.5	5.6	--
31...	1254	80513	80020	120	208	7.6	8.5	5.7	--
31...	1255	80513	80020	130	218	7.6	8.5	5.6	--
31...	1256	80513	80020	140	219	7.6	8.0	5.5	--
31...	1257	80513	80020	150	226	7.6	7.5	5.1	--
31...	1258	80513	80020	160	232	7.6	7.5	4.6	--
31...	1259	80513	80020	170	238	7.5	7.5	4.2	--
31...	1300	80513	80020	175	240	7.5	7.5	3.7	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
09.	1300	80513	80020	0.0	174	193	8.3	27.5	8.1
09.	1301	80513	80020	3.00	174	193	8.3	27.5	8.0
09.	1302	80513	80020	10.0	147	192	8.4	27.0	8.0
09.	1303	80513	80020	20.0	174	192	8.4	27.0	8.0
09.	1304	80513	81213	25.0	174	192	8.4	27.0	7.9
09.	1305	80513	80020	26.0	174	195	8.3	25.5	7.8
09.	1306	80513	80020	27.0	174	202	8.1	24.0	7.3
09.	1307	80513	80020	29.0	174	206	8.0	23.5	6.7
09.	1308	80513	80020	30.0	174	210	7.8	22.5	5.8
09.	1309	80513	80020	32.0	174	214	7.6	21.5	5.1
09.	1310	80513	80020	34.0	174	215	7.6	20.5	4.8
09.	1311	80513	80020	36.0	174	215	7.5	19.5	4.0
09.	1312	80513	80020	38.0	174	216	7.4	18.5	3.0
09.	1313	80513	80020	40.0	174	215	7.4	17.5	2.5
09.	1314	80513	80020	43.0	174	216	7.4	16.5	2.1
09.	1315	80513	80020	46.0	174	211	7.3	15.5	2.2
09.	1316	80513	80020	50.0	174	208	7.4	14.5	2.6
09.	1317	80513	80020	55.0	174	197	7.4	13.5	3.4
09.	1318	80513	80020	60.0	174	189	7.4	12.5	4.0
09.	1319	80513	80020	70.0	174	201	7.4	11.5	4.6
09.	1320	80513	80020	80.0	174	212	7.5	11.0	4.7
09.	1321	80513	80020	90.0	174	206	7.5	10.5	4.9
09.	1322	80513	81213	100	174	205	7.5	10.0	5.0
09.	1323	80513	80020	110	174	205	7.5	10.0	5.0
09.	1324	80513	80020	120	174	205	7.5	9.0	5.2
09	1325	80513	80020	130	174	209	7.5	8.5	5.2
09.	1326	80513	80020	140	174	216	7.5	8.5	5.0
09.	1327	80513	80020	150	174	226	7.4	8.0	4.3
09.	1328	80513	80020	160	174	235	7.4	7.5	3.6
09.	1329	80513	80020	170	174	240	7.4	7.5	2.8
09.	1330	80513	80020	174	174	241	7.4	7.5	2.4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG								
09.	1300	4.40	0	--	--	--	--	--
09.	1304	--	--	<5	0.61	1.3	90	27
09.	1322	--	--	<5	0.24	1.1	100	31

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
09.	1301	--	--	<0.020	<0.020	<0.010	0.600	<0.100
09.	1304	5.4	82	<0.020	<0.020	<0.010	--	--
09.	1322	5.4	80	0.480	0.120	<0.010	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
11...	1510	80513	80020	0.0	204	8.5	26.0	8.8	4.60
11...	1511	80513	80020	10.0	202	8.5	26.0	8.6	--
11...	1512	80513	80020	20.0	203	8.5	26.0	8.5	--
11...	1513	80513	80020	26.0	212	8.2	25.5	6.8	--
11...	1514	80513	80020	29.0	217	7.9	24.5	5.8	--
11...	1515	80513	80020	30.0	220	7.8	24.0	5.2	--
11...	1516	80513	80020	33.0	225	7.7	22.5	3.9	--
11...	1517	80513	80020	35.0	227	7.6	21.5	2.6	--
11...	1518	80513	80020	37.0	231	7.5	20.5	1.6	--
11...	1519	80513	80020	39.0	230	7.4	19.5	0.9	--
11...	1520	80513	80020	40.0	231	7.4	19.0	0.6	--
11...	1521	80513	80020	43.0	230	7.4	18.5	0.4	--
11...	1522	80513	80020	45.0	231	7.4	17.0	0.2	--
11...	1523	80513	80020	47.0	224	7.3	16.5	0.2	--
11...	1524	80513	80020	50.0	223	7.4	15.5	0.3	--
11...	1525	80513	80020	54.0	221	7.4	14.5	0.8	--
11...	1526	80513	80020	58.0	212	7.4	13.5	1.4	--
11...	1527	80513	80020	60.0	206	7.4	13.0	2.1	--
11...	1528	80513	80020	65.0	199	7.4	12.5	3.0	--
11...	1529	80513	80020	70.0	190	7.4	12.0	3.6	--
11...	1530	80513	80020	80.0	187	7.4	11.0	4.4	--
11...	1531	80513	80020	90.0	205	7.4	10.5	4.5	--
11...	1532	80513	80020	100	209	7.5	10.5	4.6	--
11...	1533	80513	80020	110	209	7.5	10.0	4.9	--
11...	1534	80513	80020	120	211	7.5	9.5	5.0	--
11...	1535	80513	80020	130	212	7.5	9.0	4.9	--
11...	1536	80513	80020	140	220	7.5	8.5	4.4	--
11...	1537	80513	80020	150	231	7.4	8.0	3.3	--
11...	1538	80513	80020	160	238	7.4	8.0	2.2	--
11...	1539	80513	80020	170	246	7.4	7.5	1.0	--
11...	1540	80513	80020	180	245	7.4	7.5	0.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
25...	1310	80513	80020	0.0	199	8.3	22.0	8.2	4.00
25...	1311	80513	80020	10.0	198	8.3	21.5	7.9	--
25...	1312	80513	80020	20.0	198	8.3	21.5	7.8	--
25...	1313	80513	80020	30.0	198	8.3	21.5	7.7	--
25...	1314	80513	80020	40.0	198	8.2	21.5	7.5	--
25...	1315	80513	80020	41.0	199	8.1	21.5	6.9	--
25...	1316	80513	80020	42.0	214	7.5	19.5	0.5	--
25...	1317	80513	80020	43.0	215	7.3	19.0	0.2	--
25...	1318	80513	80020	46.0	217	7.3	18.0	0.2	--
25...	1319	80513	80020	49.0	216	7.2	16.5	0.2	--
25...	1320	80513	80020	50.0	214	7.2	16.0	0.2	--
25...	1321	80513	80020	54.0	208	7.2	15.0	0.3	--
25...	1322	80513	80020	58.0	204	7.3	14.0	0.9	--
25...	1323	80513	80020	60.0	202	7.3	13.5	1.0	--
25...	1324	80513	80020	68.0	190	7.3	12.5	2.3	--
25...	1325	80513	80020	70.0	188	7.3	12.5	2.8	--
25...	1326	80513	80020	80.0	187	7.3	11.5	3.4	--
25...	1327	80513	80020	90.0	189	7.3	11.0	3.7	--
25...	1328	80513	80020	100	210	7.4	10.5	3.8	--
25...	1329	80513	80020	110	213	7.4	10.0	4.0	--
25...	1330	80513	80020	120	216	7.4	10.0	4.0	--
25...	1331	80513	80020	130	208	7.4	9.5	4.0	--
25...	1332	80513	80020	140	208	7.4	9.0	3.5	--
25...	1333	80513	80020	150	215	7.4	8.5	2.4	--
25...	1334	80513	80020	160	220	7.3	8.0	1.4	--
25...	1335	80513	80020	170	223	7.3	8.0	0.7	--
25...	1336	80513	80020	174	224	7.3	7.5	0.5	--

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO.

LOCATION.--Lat 36°35'40", long 93°18'33", in NW ¼ sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
OCT										
04...	1310	80513	80020	209	7.5	11.5	6.2	--	--	--
19...	0700	80513	80020	212	7.6	10.5	6.0	--	--	--
NOV										
02...	1050	80513	80020	217	7.1	12.0	6.0	--	--	--
18...	1030	80513	80020	220	7.8	10.5	8.6	--	--	--
30...	0730	80513	80020	185	7.8	11.5	7.6	--	--	--
DEC										
14...	1415	80513	80020	244	7.4	13.0	9.0	--	--	--
28...	1330	80513	80020	219	7.6	10.5	10	--	--	--
JAN										
09...	1330	80513	81213	213	8.2	9.0	11.7	0	<5	0.50
FEB										
16...	1330	80513	80020	214	8.0	6.5	12.8	--	--	--
MAR										
15...	1315	80513	80020	215	7.9	6.0	11.2	--	--	--
APR										
12...	1745	80513	80020	221	8.1	8.0	11.1	--	--	--
MAY										
03...	1350	80513	81213	227	8.0	8.0	10.6	1	<5	0.70
JUN										
08...	0730	80513	80020	227	7.4	10.0	8.5	--	--	--
JUL										
13...	1410	80513	80020	230	7.6	10.0	6.7	--	--	--
31...	1200	80513	80020	237	7.7	11.5	11.7	--	--	--
AUG										
09...	1350	80513	81213	214	8.5	14.0	14.2	2	<5	0.34
14...	1230	80513	80020	225	7.6	11.0	10.1	--	--	--
28...	1135	80513	80020	221	7.1	10.0	7.5	--	--	--
SEP										
11...	1445	80513	80020	224	7.6	9.5	8.4	--	--	--
25...	1245	80513	80020	220	7.7	12.0	10.7	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
JAN									
09...	1330	0.9	96	30	5.1	88	0.240	0.020	<0.010
MAY									
03...	1350	0.5	110	33	6.0	126	0.470	0.040	0.010
AUG									
09...	1350	1.9	110	33	6.0	86	0.630	0.020	0.010

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.

LOCATION.--Lat 36°21'56", long 92°34'29", in NW ¼ sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 6.3 mi northeast of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

DRAINAGE AREA.--6,051 mi^2.

PERIOD OF RECORD.--Water years 1954-60, 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
16...	0830	80513	80020	0.0	256	8.0	15.0	8.2	6.50
16...	0831	80513	80020	10.0	256	8.0	15.5	8.1	--
16...	0832	80513	80020	20.0	256	8.0	15.5	7.9	--
16...	0833	80513	80020	30.0	256	8.0	15.5	7.9	--
16...	0834	80513	80020	40.0	256	8.0	15.5	7.8	--
16...	0835	80513	80020	50.0	256	8.0	15.5	7.8	--
16...	0836	80513	80020	60.0	256	8.0	15.5	7.7	--
16...	0837	80513	80020	70.0	258	8.0	15.5	7.6	--
16...	0838	80513	80020	80.0	257	8.0	15.5	7.6	--
16...	0839	80513	80020	90.0	261	7.8	15.0	6.1	--
16...	0840	80513	80020	100	264	7.8	15.0	5.6	--
16...	0841	80513	80020	110	268	7.5	14.0	3.4	--
16...	0842	80513	80020	120	270	7.4	13.0	0.7	--
16...	0843	80513	80020	130	270	7.3	12.0	0.3	--
16...	0844	80513	80020	140	270	7.3	11.0	0.3	--
16...	0845	80513	80020	150	266	7.3	10.0	0.3	--
16...	0846	80513	80020	160	272	7.3	9.5	0.3	--
16...	0847	80513	80020	165	275	7.3	9.0	0.3	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
13...	1400	80513	80020	0.0	250	7.9	12.5	8.0	4.30
13...	1401	80513	80020	10.0	250	7.9	12.0	7.6	--
13...	1402	80513	80020	20.0	250	7.8	12.0	7.5	--
13...	1403	80513	80020	30.0	250	7.8	12.0	7.4	--
13...	1404	80513	80020	40.0	251	7.8	12.0	7.4	--
13...	1405	80513	80020	50.0	251	7.8	12.0	7.4	--
13...	1406	80513	80020	60.0	252	7.8	12.0	7.4	--
13...	1407	80513	80020	70.0	253	7.8	12.0	7.3	--
13...	1408	80513	80020	80.0	253	7.8	12.0	7.5	--
13...	1409	80513	80020	90.0	250	7.8	12.0	7.6	--
13...	1410	80513	80020	100	251	7.8	12.0	7.6	--
13...	1411	80513	80020	110	252	7.8	12.0	7.3	--
13...	1412	80513	80020	120	258	7.6	11.5	2.2	--
13...	1413	80513	80020	130	266	7.4	11.5	0.3	--
13...	1414	80513	80020	140	266	7.3	11.0	0.2	--
13...	1415	80513	80020	150	266	7.3	10.5	0.2	--
13...	1416	80513	80020	160	267	7.3	10.0	0.2	--
13...	1417	80513	80020	170	269	7.3	9.5	0.2	--
13...	1418	80513	80020	171	272	7.3	9.5	0.2	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
10...	1340	80513	80020	0.0	250	7.9	9.5	9.0
10...	1341	80513	80020	3.00	250	7.9	9.5	8.8
10...	1342	80513	80020	10.0	250	7.9	9.5	8.7
10...	1343	80513	80020	20.0	250	7.9	9.5	8.6
10...	1345	80513	81213	25.0	250	7.9	9.5	8.5
10...	1346	80513	80020	30.0	250	7.9	9.5	8.5
10...	1347	80513	80020	40.0	251	7.9	9.5	8.5
10...	1348	80513	80020	50.0	251	7.9	9.5	8.5
10...	1349	80513	80020	60.0	251	7.9	9.5	8.4
10...	1350	80513	80020	70.0	252	7.9	9.5	8.4
10...	1351	80513	80020	80.0	252	7.9	9.5	8.5
10...	1352	80513	80020	90.0	250	7.9	9.5	8.4
10...	1355	80513	81213	100	250	7.9	9.5	8.4
10...	1356	80513	80020	110	252	7.9	9.5	8.4
10...	1357	80513	80020	120	252	7.9	9.5	8.2
10...	1358	80513	80020	130	250	7.9	9.5	8.2
10...	1359	80513	80020	140	253	7.9	9.5	8.4
10...	1400	80513	80020	150	253	7.9	9.5	8.4
10...	1401	80513	80020	160	254	7.9	9.5	8.5
10...	1402	80513	80020	170	252	7.9	9.5	7.9

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
10...	1340	5.00	0	--	--	--	--	--
10...	1345	--	--	<5	0.60	1.3	120	34
10...	1355	--	--	<5	0.30	1.2	120	34

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
10...	1341	--	--	0.180	<0.020	<0.010	0.700	<0.100
10...	1345	9.7	112	0.180	<0.020	<0.010	--	--
10...	1355	9.3	116	0.180	<0.020	<0.010	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
FEB									
14...	1350	80513	80020	0.0	246	8.3	7.0	12.6	3.60
14...	1351	80513	80020	10.0	247	8.3	7.0	12.4	--
14...	1352	80513	80020	20.0	247	8.2	7.0	11.7	--
14...	1353	80513	80020	30.0	247	8.2	7.0	11.3	--
14...	1354	80513	80020	40.0	246	8.2	7.0	11.0	--
14...	1355	80513	80020	50.0	247	8.2	7.0	11.0	--
14...	1356	80513	80020	60.0	247	8.2	7.0	10.9	--
14...	1357	80513	80020	70.0	247	8.2	7.0	10.9	--
14...	1358	80513	80020	80.0	246	8.2	7.0	10.8	--
14...	1359	80513	80020	90.0	246	8.2	7.0	10.8	--
14...	1400	80513	80020	100	247	8.2	7.0	10.7	--
14...	1401	80513	80020	110	247	8.2	7.0	10.7	--
14...	1402	80513	80020	120	247	8.2	7.0	10.6	--
14...	1403	80513	80020	130	246	8.2	7.0	10.5	--
14...	1404	80513	80020	140	247	8.2	7.0	10.5	--
14...	1405	80513	80020	150	246	8.2	7.0	10.5	--
14...	1406	80513	80020	160	246	8.2	7.0	10.5	--
14...	1407	80513	80020	170	244	8.2	6.5	10.6	--
14...	1408	80513	80020	176	244	8.2	6.5	10.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR									
15...	0800	80513	80020	0.0	248	8.3	7.5	12.2	3.10
15...	0801	80513	80020	10.0	249	8.4	7.5	11.7	--
15...	0802	80513	80020	20.0	250	8.4	7.5	11.6	--
15...	0803	80513	80020	30.0	250	8.4	7.5	11.5	--
15...	0804	80513	80020	40.0	249	8.4	7.5	11.4	--
15...	0805	80513	80020	50.0	250	8.4	7.5	11.4	--
15...	0806	80513	80020	60.0	250	8.4	7.0	11.2	--
15...	0807	80513	80020	70.0	250	8.4	7.0	11.3	--
15...	0808	80513	80020	80.0	250	8.4	7.0	11.2	--
15...	0809	80513	80020	90.0	251	8.3	7.0	11.2	--
15...	0810	80513	80020	100	251	8.3	7.0	11.0	--
15...	0811	80513	80020	110	250	8.3	6.5	11.1	--
15...	0812	80513	80020	120	250	8.3	6.5	11.0	--
15...	0813	80513	80020	130	250	8.3	6.5	10.9	--
15...	0814	80513	80020	140	250	8.3	6.0	10.9	--
15...	0815	80513	80020	150	249	8.3	6.0	10.9	--
15...	0816	80513	80020	160	251	8.3	6.0	10.9	--
15...	0817	80513	80020	170	250	8.3	6.0	10.7	--
15...	0818	80513	80020	180	249	8.3	6.0	10.6	--
15...	0819	80513	80020	189	251	8.2	6.0	10.4	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
APR									
11...	1100	80513	80020	0.0	255	8.4	10.5	11.6	5.50
11...	1101	80513	80020	10.0	254	8.4	10.5	11.1	--
11...	1102	80513	80020	20.0	255	8.4	10.5	10.9	--
11...	1103	80513	80020	30.0	255	8.4	10.5	10.8	--
11...	1104	80513	80020	40.0	256	8.4	10.5	10.7	--
11...	1105	80513	80020	50.0	255	8.4	10.5	10.7	--
11...	1106	80513	80020	60.0	256	8.4	10.5	10.6	--
11...	1107	80513	80020	70.0	256	8.4	10.5	10.6	--
11...	1108	80513	80020	80.0	256	8.4	10.5	10.6	--
11...	1109	80513	80020	86.0	256	8.3	9.5	10.4	--
11...	1110	80513	80020	90.0	256	8.3	9.0	10.4	--
11...	1111	80513	80020	100	256	8.2	7.5	10.3	--
11...	1112	80513	80020	110	255	8.1	7.0	10.1	--
11...	1113	80513	80020	120	256	8.1	7.0	10	--
11...	1114	80513	80020	130	256	8.1	6.5	9.9	--
11...	1115	80513	80020	140	258	8.1	6.0	9.9	--
11...	1116	80513	80020	150	261	8.1	6.0	9.8	--
11...	1117	80513	80020	160	259	8.1	6.0	9.8	--
11...	1118	80513	80020	170	260	8.1	6.0	9.7	--
11...	1119	80513	80020	180	261	8.1	6.0	9.6	--
11...	1120	80513	80020	184	262	8.1	6.0	9.6	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAY								
09...	0730	80513	80020	0.0	258	7.6	18.0	10.6
09...	0731	80513	80020	3.00	258	7.6	18.5	10.4
09...	0732	80513	80020	10.0	260	7.9	17.5	10.8
09...	0733	80513	80020	20.0	261	7.9	17.0	10.3
09...	0734	80513	81213	25.0	262	8.0	16.5	10.1
09...	0735	80513	80020	30.0	261	8.0	16.0	10.1
09...	0736	80513	80020	37.0	260	8.0	15.0	10.1
09...	0737	80513	80020	39.0	260	8.0	14.0	10.2
09...	0738	80513	80020	40.0	259	8.0	14.0	10.2
09...	0739	80513	80020	45.0	258	8.0	13.0	10.4
09...	0740	80513	80020	50.0	257	7.9	11.5	10.0
09...	0741	80513	80020	60.0	257	7.9	11.0	9.9
09...	0742	80513	80020	70.0	257	7.9	10.5	9.6
09...	0743	80513	80020	80.0	257	7.8	10.0	9.5
09...	0744	80513	80020	90.0	257	7.8	9.5	9.6
09...	0745	80513	81213	100	256	7.8	9.0	9.6
09...	0746	80513	80020	110	257	7.8	8.0	9.6
09...	0747	80513	80020	120	260	7.8	7.5	9.5
09...	0748	80513	80020	130	258	7.8	7.0	9.5
09...	0749	80513	80020	140	262	7.7	7.0	9.3
09...	0750	80513	80020	150	260	7.7	6.5	9.0
09...	0751	80513	80020	160	261	7.7	6.5	8.8
09...	0752	80513	80020	170	264	7.7	6.0	8.6
09...	0753	80513	80020	172	261	7.7	6.0	8.6

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
MAY								
09...	0730	5.00	<3	--	--	--	--	--
09...	0734	--	--	<5	0.10	1.2	130	34
09...	0745	--	--	<5	0.20	1.0	120	33

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY								
09...	0731	--	--	0.110	<0.020	0.020	2.50	<0.100
09...	0734	10	124	0.120	<0.020	0.020	--	--
09...	0745	10	122	0.260	0.020	0.020	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUN									
06...	1320	80513	80020	0.0	250	8.6	25.0	9.3	5.10
06...	1321	80513	80020	10.0	250	8.6	24.0	9.3	--
06...	1322	80513	80020	20.0	251	8.6	23.0	10.8	--
06...	1323	80513	80020	22.0	250	8.6	22.0	11.3	--
06...	1324	80513	80020	24.0	250	8.6	21.5	11.6	--
06...	1325	80513	80020	25.0	250	8.6	20.5	12.0	--
06...	1326	80513	80020	26.0	251	8.7	19.5	12.1	--
06...	1327	80513	80020	28.0	254	8.6	19.0	11.6	--
06...	1328	80513	80020	30.0	255	8.6	18.0	11.3	--
06...	1329	80513	80020	33.0	258	8.4	17.0	10.3	--
06...	1330	80513	80020	36.0	258	8.3	16.0	9.6	--
06...	1331	80513	80020	40.0	258	8.1	14.5	9.1	--
06...	1332	80513	80020	45.0	256	8.0	13.0	8.6	--
06...	1333	80513	80020	50.0	254	7.9	12.0	8.6	--
06...	1334	80513	80020	60.0	254	7.9	11.5	8.5	--
06...	1335	80513	80020	70.0	253	7.9	11.0	8.6	--
06...	1336	80513	80020	80.0	255	7.9	10.5	8.4	-
06...	1337	80513	80020	90.0	255	7.9	10.0	8.5	--
06...	1338	80513	80020	100	254	7.9	9.5	8.5	--
06...	1339	80513	80020	110	255	7.9	9.0	8.5	--
06...	1340	80513	80020	120	256	7.9	8.5	8.5	--
06...	1341	80513	80020	130	257	7.9	7.5	8.5	--
06...	1342	80513	80020	140	258	7.9	7.0	8.4	--
06...	1343	80513	80020	150	262	7.8	7.0	8.3	--
06...	1344	80513	80020	160	260	7.8	7.0	8.1	--
06...	1345	80513	80020	170	260	7.8	6.5	7.5	--
06...	1346	80513	80020	173	264	7.8	6.5	6.8	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL									
12...	1420	80513	80020	0.0	254	8.4	28.5	8.0	5.20
12...	1421	80513	80020	10.0	255	8.4	28.5	7.6	--
12...	1422	80513	80020	20.0	252	8.4	27.5	8.1	--
12...	1423	80513	80020	21.0	253	8.5	25.5	9.0	--
12...	1424	80513	80020	24.0	253	8.5	24.5	9.9	--
12...	1425	80513	80020	26.0	257	8.5	23.0	9.7	--
12...	1426	80513	80020	27.0	258	8.5	22.0	10.1	--
12...	1427	80513	80020	30.0	261	8.5	21.0	10.3	--
12...	1428	80513	80020	34.0	265	8.4	19.5	9.8	--
12...	1429	80513	80020	36.0	267	8.4	19.0	9.3	--
12...	1430	80513	80020	38.0	268	8.2	18.0	8.4	--
12...	1431	80513	80020	40.0	267	8.1	17.5	8.0	--
12...	1432	80513	80020	46.0	270	8.0	17.0	7.5	--
12...	1433	80513	80020	50.0	270	8.0	16.0	7.0	--
12...	1434	80513	80020	55.0	270	7.9	15.0	6.4	--
12...	1435	80513	80020	60.0	271	7.8	14.5	6.3	--
12...	1436	80513	80020	65.0	269	7.8	13.5	6.2	--
12...	1437	80513	80020	70.0	269	7.8	13.0	6.3	--
12...	1438	80513	80020	80.0	269	7.8	12.0	6.5	--
12...	1439	80513	80020	90.0	268	7.8	11.0	6.6	--
12...	1440	80513	80020	100	268	7.8	11.0	6.8	--
12...	1441	80513	80020	110	268	7.8	10.0	6.9	--
12...	1442	80513	80020	120	269	7.8	9.5	6.7	--
12...	1443	80513	80020	130	266	7.8	8.5	6.6	--
12...	1444	80513	80020	140	267	7.7	8.0	6.3	--
12...	1445	80513	80020	150	271	7.7	7.5	6.0	--
12...	1446	80513	80020	160	268	7.7	7.5	5.7	--
12...	1447	80513	80020	170	273	7.7	7.5	4.9	--
12...	1448	80513	80020	176	277	7.7	7.0	4.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG								
15...	1305	80513	80020	0.0	245	8.3	27.5	8.6
15...	1306	80513	80020	3.00	245	8.4	27.5	8.5
15...	1307	80513	80020	10.0	245	8.4	27.0	8.6
15...	1308	80513	80020	20.0	245	8.4	27.0	8.5
15...	1309	80513	81213	25.0	248	8.5	26.0	10.3
15...	1310	80513	80020	26.0	247	8.4	25.0	10.5
15...	1311	80513	80020	27.0	248	8.4	24.5	10.8
15...	1312	80513	80020	29.0	249	8.4	23.5	11.2
15...	1313	80513	80020	30.0	250	8.4	23.0	11.2
15...	1314	80513	80020	32.0	253	8.4	22.0	11.1
15...	1315	80513	80020	34.0	254	8.4	21.0	10.9
15...	1316	80513	80020	36.0	257	8.3	20.5	10.1
15...	1317	80513	80020	38.0	258	8.2	19.5	9.5
15...	1318	80513	80020	40.0	259	8.2	19.0	8.8
15...	1319	80513	80020	45.0	260	7.9	17.5	7.2
15...	1320	80513	80020	50.0	261	7.8	16.5	6.2
15...	1321	80513	80020	60.0	263	7.7	15.5	5.3
15...	1322	80513	80020	65.0	261	7.6	14.5	4.8
15...	1323	80513	80020	70.0	263	7.6	13.5	4.9
15...	1324	80513	80020	80.0	260	7.7	12.5	5.5
15...	1325	80513	80020	90.0	259	7.7	11.5	6.1
15...	1326	80513	81213	100	259	7.7	11.0	6.4
15...	1327	80513	80020	110	258	7.7	10.5	6.4
15...	1328	80513	80020	120	255	7.7	9.5	6.1
15...	1329	80513	80020	130	256	7.7	9.0	5.8
15...	1330	80513	80020	140	256	7.7	8.5	5.3
15...	1331	80513	80020	150	259	7.7	8.0	4.8
15...	1332	80513	80020	160	260	7.7	7.5	4.2
15...	1333	80513	80020	170	259	7.6	7.5	3.7
15...	1334	80513	80020	174	260	7.6	7.5	2.6

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
AUG								
15...	1305	6.50	0	--	--	--	--	--
15...	1309	--	--	<5	0.79	0.6	130	34
15...	1326	--	--	<5	0.17	0.4	130	37

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
15...	1306	--	--	<0.020	<0.020	<0.010	0.300	<0.100
15...	1309	11	110	<0.020	<0.020	<0.010	--	--
15...	1326	9.9	122	0.320	<0.020	<0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
12...	0945	80513	80020	0.0	257	8.4	26.0	10.0	5.80
12...	0946	80513	80020	10.0	257	8.4	26.0	9.9	--
12...	0947	80513	80020	20.0	258	8.4	26.0	9.8	--
12...	0948	80513	80020	30.0	256	8.3	26.0	9.7	--
12...	0949	80513	80020	32.0	749	8.3	26.0	10	--
12...	0950	80513	80020	34.0	266	8.3	23.5	12.3	--
12...	0951	80513	80020	36.0	266	8.2	22.5	12.2	--
12...	0952	80513	80020	38.0	267	8.2	21.5	11.6	--
12...	0953	80513	80020	40.0	273	8.1	20.5	10.0	--
12...	0954	80513	80020	42.0	273	8.0	19.5	8.6	--
12...	0955	80513	80020	45.0	274	7.8	18.5	7.3	--
12...	0956	80513	80020	50.0	277	7.6	17.5	5.5	--
12...	0957	80513	80020	55.0	279	7.6	16.5	4.5	--
12...	0958	80513	80020	60.0	281	7.6	16.0	3.9	--
12...	0959	80513	80020	65.0	282	7.6	15.0	3.4	--
12...	1000	80513	80020	70.0	282	7.6	14.5	3.5	--
12...	1001	80513	80020	80.0	277	7.6	13.0	4.3	--
12...	1002	80513	80020	90.0	274	7.7	12.5	5.1	--
12...	1003	80513	80020	100	273	7.7	11.5	5.8	--
12...	1004	80513	80020	110	272	7.7	10.5	6.0	--
12...	1005	80513	80020	120	272	7.7	10.0	5.8	--
12...	1006	80513	80020	130	270	7.7	9.5	5.4	--
12...	1007	80513	80020	140	273	7.7	9.0	4.6	--
12...	1008	80513	80020	150	270	7.6	8.5	3.8	--
12...	1009	80513	80020	160	272	7.6	8.0	3.1	--
12...	1010	80513	80020	170	271	7.6	7.5	2.0	--
12...	1011	80513	80020	173	277	7.5	7.5	1.2	--

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, ARK.

LOCATION.--Lat 36°21'56", long 92°34'29", in NW ¼ sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 11.9 mi upstream from gaging station, 6.3 mi northwest of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

DRAINAGE AREA.--6,051 mi^2.

PERIOD OF RECORD.--July 1954 to September 1968, October 1970 to September 1971, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1954 to September 1964.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
NOV										
16...	0800	80513	80020	263	7.6	13.5	5.4	--	--	--
DEC										
13...	1435	60513	80020	262	7.7	12.0	8.3	--	--	--
JAN										
10...	1415	80513	81213	250	7.9	9.5	9.7	2	<5	0.50
FEB										
14...	1430	80513	80020	249	8.2	7.0	13.0	--	--	--
MAR										
15...	0735	80513	80020	246	8.5	6.5	11.7	--	--	--
APR										
11...	1045	80513	80020	253	8.2	7.5	11.5	--	--	--
MAY										
09...	0715	80513	81213	256	7.9	8.5	9.7	<3	<5	0.40
JUN										
06...	1305	80513	80020	251	7.7	10.0	10	--	--	--
JUL										
05...	1400	80513	80020	266	7.6	10.5	7.9	--	--	--
AUG										
15...	1245	80513	81213	260	7.6	10.5	7.7	3	<5	0.25
SEP										
12...	1020	80513	80020	277	7.9	11.0	10.8	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
JAN									
10...	1415	0.7	120	34	9.6	116	0.150	<0.020	<0.010
MAY									
09...	0715	0.9	120	33	10	126	0.260	<0.020	0.020
AUG									
15...	1245	0.6	140	41	9.7	114	0.340	<0.020	<0.010

07055565 CROOKED CREEK AT HARRISON, ARK.

LOCATION.--Lat 36°14'04", long 93°05'26", in SW ¼ SE ¼ sec.3, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 bypass in Harrison.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT										
06...	0910	80513	80513	3.4	338	--	15.0	--	--	--
25...	1135	9827	9827	--	--	7.3	15.0	4.0	9.0	
NOV										
29...	1220	9827	9827	--	--	7.8	11.0	15	10.0	1.4
DEC										
27...	1235	9827	9827	--	--	7.5	9.0	45	10.1	3.9
JAN										
24...	1145	9827	9827	--	--	8.0	12.0	3.0	12.0	
FEB										
21...	1255	9827	9827	--	--	7.2	9.0	--	10.6	1.6
MAR										
28...	1140	9827	9827	--	--	7.8	16.0	--	9.7	3.2
APR										
25...	1210	9827	9827	--	--	7.9	20.0	2.5	10.5	1.9
MAY										
23...	1210	9827	9827	--	--	7.8	21.0	7.5	9.4	1.9
JUN										
27...	1125	9827	9827	--	--	7.7	22.0	5.5	9.0	2.5
JUL										
19...	1215	9827	9827	--	--	7.6	20.0	35	6.5	4.7
AUG										
22...	1240	9827	9827	--	--	7.7	24.0	4.0	8.1	2.7
SEP										
26...	1215	9827	9827	--	--	7.8	17.0	5.1	9.5	2.2

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT										
25...	1135	8.0	4.0	--	7	1.30	--	--	0.20	0.040
NOV										
29...	1220	5.5	7.0	160	9	1.10	0.030	--	--	0.050
DEC										
27...	1235	2.5	4.0	106	54	0.550	0.080	0.52	0.60	0.270
JAN										
24...	1145	6.5	7.0	185	4	1.50	0.010	0.29	0.30	0.050
FEB										
21...	1255	5.0	6.0	--	12	1.30	0.020	0.28	0.30	0.050
MAR										
28...	1140	7.0	--	--	--	1.40	<0.010	--	0.50	--
APR										
25...	1210	5.8	--	190	6	1.20	0.090	0.71	0.80	0.020
MAY										
23...	1210	6.0	7.0	195	13	1.30	0.050	0.55	0.60	0.050
JUN										
27...	1125	5.9	5.0	203	10	1.30	0.060	0.44	0.50	0.040
JUL										
19...	1215	3.7	--	135	44	0.680	0.090	0.67	0.76	0.200
AUG										
22...	1240	5.9	4.0	206	8	1.30	<0.050	--	0.64	0.040
SEP										
26...	1215	6.7	5.0	209	14	1.40	<0.050	--	0.62	0.050

07055565 CROOKED CREEK AT HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	1135	0.030	--	<1	<15	<1	<0.50	10	3.5
NOV									
29...	1220	0.040	<1	<1	<15	<1	--	10	--
DEC									
27...	1235	0.130	<1	<1	21	--	--	20	3.7
JAN									
24...	1145	0.040	<1	1	18	18	--	10	4.4
FEB									
21...	1255	0.060	<1	<1	<15	<1	--	20	4.1
MAR									
28...	1140	<0.010	1	8	--	9	--	20	5.5
APR									
25...	1210	0.020	--	<1	<15	<1	--	<10	2.8
MAY									
23...	1210	0.050	<1	<1	<15	1	--	10	2.6
JUN									
27...	1125	0.070	<1	<1	19	2	--	20	4.5
JUL									
19...	1215	0.050	<1	<1	<15	8	--	20	5.8
AUG									
22...	1240	<0.030	<1	--	34	2	--	20	8.1
SEP									
26...	1215	0.060	<1	1	15	2	<0.40	20	2.6

07055569 CROOKED CREEK NEAR HARRISON, ARK.

LOCATION.--Lat 36°14'38", long 93°04'38", in SE ¼ NW ¼ sec.2, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 near Harrison.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
25...	1150	9827	9827	7.3	14.0	5.0	8.3	--	14
NOV									
29...	1235	9827	9827	7.8	11.0	15	10.0	2.2	9.5
DEC									
27...	1250	9827	9827	7.4	11.0	25	9.2	2.7	12
JAN									
24...	1200	9827	9827	8.1	12.0	3.5	10.7	3.8	14
FEB									
21...	1310	9827	9827	7.2	9.0	--	10.5	1.2	5.0
MAR									
28...	1200	9827	9827	7.8	16.0	--	10.1	2.2	6.0
APR									
25...	1230	9827	9827	8.0	21.0	3.0	10.5	2.5	7.9
MAY									
23...	1230	9827	9827	7.9	21.0	6.0	9.6	2.6	8.4
JUN									
27...	1135	9827	9827	7.9	22.0	6.5	7.8	1.4	12
JUL									
19...	1235	9827	9827	7.7	20.0	40	7.0	4.5	4.7
AUG									
22...	1250	9827	9827	7.9	25.0	4.5	7.5	2.3	17
SEP									
26...	1230	9827	9827	8.1	17.0	4.5	9.4	2.4	16

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
25...	1150	20	--	8	1.90	--	--	0.40	0.590
NOV									
29...	1235	11	180	8	2.00	0.140	--	--	0.350
DEC									
27...	1250	12	232	25	0.850	0.090	0.51	0.60	0.240
JAN									
24...	1200	20	228	5	1.80	2.00	0.0	2.0	0.690
FEB									
21...	1310	6.0	--	8	1.60	0.020	0.28	0.30	0.080
MAR									
28...	1200	--	--	--	1.70	<0.010	--	0.40	--
APR									
25...	1230	--	209	5	1.80	0.170	0.43	0.60	0.320
MAY									
23...	1230	17	213	11	2.00	0.040	0.46	0.50	0.370
JUN									
27...	1135	18	233	12	2.00	0.060	0.44	0.50	0.530
JUL									
19...	1235	--	122	59	1.10	0.150	1.5	1.7	0.220
AUG									
22...	1250	20	256	10	2.80	<0.050	--	0.82	0.700
SEP									
26...	1230	28	282	14	3.80	<0.050	--	0.62	0.860

07055569 CROOKED CREEK NEAR HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	1150	0.530	--	<1	<15	5	<0.50	10	5.6
NOV									
29...	1235	0.300	<1	<1	<15	<1	--	20	--
DEC									
27...	1250	0.130	<1	<1	17	6	--	10	4.9
JAN									
24...	1200	0.640	<1	<1	<15	7	--	10	4.7
FEB									
21...	1310	0.100	<1	<1	20	<1	--	20	3.6
MAR									
28...	1200	0.050	<1	<1	--	2	--	10	4.2
APR									
25...	1230	0.240	--	<1	<15	<1	--	10	3.9
MAY									
23...	1230	0.300	<1	<1	<15	1	--	10	2.8
JUN									
27...	1135	0.400	<1	1	19	2	--	10	5.0
JUL									
19...	1235	0.130	<1	<1	<15	28	--	10	5.3
AUG									
22...	1250	0.530	<1	--	24	3	--	30	5.2
SEP									
26...	1230	0.770	<1	2	15	<2	<0.40	<10	4.1

07055608 CROOKED CREEK AT YELLVILLE, ARK.

LOCATION.--Lat 33°13'23", long 92°40'47", in NW¼NE¼ sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, on left bank at bridge on State Highway 14 at Yellville.

DRAINAGE AREA.--406 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional measurements, water years 1978-88, and annual maximum, water years 1985-88. July 1988 to current year. Fragmentary record 1939-43, in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 541.60 ft above National Geodetic Vertical Datum of 1929. Oct. 7, 1939 to June 30, 1943, nonrecording gage at present site at datum 5.59 ft higher. March 1978 to Feb. 23, 1984, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair, and poor below 2.0 ft³/s because of loss of flow to underground strata at extreme low flows.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,100 ft³/s Feb. 14, 1989, gage height, 15.35 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 27, 1942, reached a stage of 25.7 ft, present datum.

EXTREMES FOR WATER YEAR 1988.--Maximum discharge during period July to September, 88 ft³/s July 20, gage height, 6.33 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 03	unk	unk	unk	Feb. 14	0200	*7,100	15.35

no flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	3.4	144	132	261	751	1330	154	118	48	e15	1.4
2	34	3.2	112	114	679	649	1190	143	102	45	e15	.69
3	26	3.3	92	102	e3800	599	1060	142	89	38	e10	1.1
4	20	3.2	78	89	e2800	594	963	144	93	34	e10	.26
5	16	2.8	66	83	e2100	936	840	140	107	27	e9.0	.00
6	15	2.2	60	81	e1500	937	770	126	118	24	e8.0	.00
7	13	1.1	54	76	e1000	856	682	117	94	22	e7.0	.00
8	12	1.2	54	67	e630	851	605	129	85	20	e6.5	.00
9	12	.99	52	61	e350	960	537	291	77	18	e6.0	.17
10	10	5.4	47	56	254	1220	468	175	67	17	e5.0	3.9
11	9.3	5.3	43	53	222	1350	412	146	65	17	e4.5	5.0
12	8.0	7.5	40	51	202	1270	382	127	88	16	e4.0	5.7
13	7.3	11	38	47	2090	1130	357	117	121	15	e4.0	5.6
14	6.6	14	36	45	4300	999	334	109	557	15	e3.5	5.7
15	5.1	12	33	44	3730	877	317	103	286	14	e3.5	6.0
16	6.0	9.7	30	40	3240	767	292	95	159	14	e3.0	5.6
17	7.8	9.1	28	38	2290	672	278	103	115	13	e3.0	5.3
18	7.7	14	27	37	1920	600	264	173	93	27	e2.5	5.2
19	6.8	259	26	35	1650	515	255	153	79	57	e2.5	4.2
20	5.9	1140	26	33	1640	485	232	130	67	47	e3.5	3.3
21	5.2	552	24	30	1810	455	222	113	58	32	e3.0	2.9
22	4.1	235	24	29	1550	429	212	204	53	26	e2.5	2.5
23	4.3	140	30	29	1340	421	200	259	49	26	e2.5	1.9
24	5.6	97	33	28	1220	397	193	195	48	23	e2.0	.38
25	5.1	96	32	29	1090	381	184	150	47	22	2.0	.00
26	4.3	1640	30	74	984	352	182	307	43	21	2.1	.00
27	4.3	1000	35	121	917	348	174	784	56	35	5.6	.00
28	4.0	498	107	138	836	768	166	445	58	e30	6.2	.00
29	3.9	290	162	279	---	1180	154	279	79	e25	5.6	.00
30	3.8	194	171	374	---	1160	153	185	57	e20	5.3	.03
31	3.8	---	147	325	---	1510	---	143	---	e20	2.1	---
TOTAL	310.9	6250.39	1881	2740	44405	24419	13408	5881	3128	808	164.4	66.83
MEAN	10.0	208	60.7	88.4	1586	788	447	190	104	26.1	5.30	2.23
MAX	34	1640	171	374	4300	1510	1330	784	557	57	15	6.0
MIN	3.8	.99	24	28	202	348	153	95	43	13	2.0	.00
AC-FT	617	12400	3730	5430	88080	48440	26590	11660	6200	1600	326	133

WTR YR 1989 TOTAL 103462.52 MEAN 283 MAX 4300 MIN .00 AC-FT 205200

e Estimated

07055608 CROOKED CREEK AT YELLVILLE, ARK.--CONTINUED--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT									
05...	1530	80513	80513	16	310	--	16.5	--	--
25...	1015	9827	9827	5.5	--	7.5	13.0	1.0	9.0
NOV									
29...	1000	9827	9827	299	--	--	8.0	4.5	11.1
DEC									
27...	1045	9827	9827	30	--	8.0	9.0	2.0	10.9
JAN									
24...	1030	9827	9827	28	--	8.1	7.0	1.0	12.7
FEB									
21...	1330	9827	9827	1810	--	7.4	8.0	--	10.7
MAR									
28...	1230	9827	9827	891	--	8.2	17.0	8.0	10.1
APR									
25...	1115	9827	9827	182	--	8.2	22.0	2.0	8.6
MAY									
23...	1330	9827	9827	273	--	8.4	25.0	3.5	10.8
JUN									
13...	1345	9827	9827	117	--	8.3	22.0	3.5	9.2
JUL									
25...	1245	9827	9827	23	--	8.2	28.0	1.8	10.2
AUG									
22...	1230	9827	9827	45	--	8.2	29.0	3.0	8.4
SEP									
12...	1300	9827	9827	5.7	--	8.2	24.0	1.5	8.0

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
05...	1530	0.9	8.5	8.0	224	<1	--	--	<0.010
NOV									
29...	1000	0.5	4.0	7.0	172	3	0.810	0.030	0.020
DEC									
27...	1045	0.6	5.5	8.0	210	1	0.370	0.020	0.040
JAN									
24...	1030	0.7	6.0	8.0	190	<1	0.300	0.010	0.010
FEB									
21...	1330	2.4	4.0	6.0	172	16	1.20	0.870	0.050
MAR									
28...	1230	1.7	4.0	--	187	16	0.440	0.100	0.040
APR									
25...	1115	3.5	4.7	7.0	186	3	0.240	0.100	0.010
MAY									
23...	1330	1.3	4.3	7.0	189	6	0.250	0.040	0.030
JUN									
13...	1345	0.7	4.8	4.0	200	4	0.190	<0.010	--
JUL									
25...	1245	1.6	5.0	4.0	180	4	0.060	<0.050	0.060
AUG									
22...	1230	1.4	7.6	9.0	175	13	--	<0.050	<0.030
SEP									
12...	1300	2.3	7.4	6.0	177	4	0.060	<0.050	<0.030

07055608 CROOKED CREEK AT YELLVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 25...	1015	--	<1	<1	<15	4	<0.50	<10	6.6
NOV 29...	1000	0.020	<1	1	<15	<1	--	<10	2.3
DEC 27...	1045	<0.010	<1	2	<15	2	--	<10	2.1
JAN 24...	1030	<0.010	--	--	<15	<1	--	--	4.7
FEB 21...	1330	0.040	<1	<1	<15	1	--	10	3.5
MAR 28...	1230	--	1	3	<15	3	--	10	4.4
APR 25...	1115	0.010	<1	<1	--	1	--	<10	4.9
MAY 23...	1330	0.060	<1	1	<15	<1	--	<10	4.2
JUN 13...	1345	<0.010	<1	--	<15	2	--	10	4.1
JUL 25...	1245	<0.030	1	<1	<15	2	--	<10	3.9
AUG 22...	1230	<0.030	--	<1	--	--	--	<10	2.2
SEP 12...	1300	0.030	<1	--	<15	--	<0.40	--	2.2

07056000 BUFFALO RIVER NEAR ST. JOE, ARK.

LOCATION.--Lat 35°59'02", long 92°44'44", in SW¼SW¼ sec.36, T.16 N., R.17 W., Searcy County, Hydrologic Unit 11010005, near right bank on downstream side of bridge on U.S. Highway 65, 1.6 mi downstream from Mill Creek, 5.4 mi upstream from Bear Creek, 4.5 mi southeast of St. Joe, and at mile 58.3.

DRAINAGE AREA.--829 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 1211: 1945(M), 1949(M). WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1940, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--50 years, 1,028 ft^3/s, 16.84 in/yr, 744,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 53.75 ft from rating curve extended above 91,000 ft^3/s; minimum, 6.6 ft^3/s Sept. 16, 17, 20, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 50.5 ft in August 1915, from information by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 14	0600	*36,500	*25.33	Feb. 15	1615	32,400	23.88

Minimum discharge, 32 ft^3/s Oct. 30-31, Nov. 1-3, 6-9, 11, gage height, 2.40 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	32	738	1330	2070	1320	3510	388	748	341	332	72
2	66	32	595	1110	1860	1170	2810	368	658	373	295	72
3	64	32	504	942	9330	1080	2350	355	580	334	272	68
4	63	34	445	805	5310	1030	2130	353	542	288	301	65
5	60	33	394	712	3220	2080	1780	351	612	254	258	62
6	58	33	355	762	2360	2190	1500	345	629	227	215	60
7	56	32	322	764	1830	1700	1320	333	628	204	181	58
8	54	32	304	697	1500	1620	1170	330	555	185	157	56
9	52	33	290	618	1250	1990	1040	643	503	171	145	61
10	50	34	280	557	1060	2860	928	718	456	157	141	60
11	48	32	272	516	952	3200	845	584	438	148	e130	59
12	46	45	255	485	880	2780	786	493	776	156	e130	58
13	45	46	238	455	6240	2280	739	442	1570	191	e120	56
14	43	48	224	430	25800	1960	700	407	1980	174	e110	58
15	40	53	207	411	25500	1670	666	387	1790	167	e100	60
16	44	56	194	392	18700	1390	639	377	1310	172	e97	60
17	40	57	184	373	8250	1230	606	392	982	162	e90	60
18	38	90	176	356	5420	1210	571	1200	791	181	e83	60
19	38	1170	170	338	4230	1350	587	1070	671	219	85	57
20	38	5820	164	319	3890	1250	670	885	575	242	82	55
21	37	2720	155	301	5790	1320	610	761	502	239	77	54
22	35	1250	154	284	4270	1280	573	1800	444	211	76	53
23	37	782	163	271	3190	1180	544	3580	402	184	74	50
24	36	567	359	263	2560	1100	520	2050	372	338	76	48
25	37	559	514	274	2170	1020	500	1330	332	401	81	47
26	36	6860	456	2880	1910	960	472	1550	331	395	76	46
27	35	4790	737	4510	1690	909	447	4390	391	308	72	44
28	35	2190	4990	2690	1520	1940	431	2490	456	252	77	41
29	34	1360	5150	4640	---	6710	415	1600	422	214	81	44
30	33	964	2110	4000	---	5960	404	1170	360	194	77	45
31	32	---	1610	2740	---	4740	---	891	---	274	74	---
TOTAL	1409	29786	22709	35225	152752	62479	30263	32033	20806	7356	4165	1689
MEAN	45.5	993	733	1136	5455	2015	1009	1033	694	237	134	56.3
MAX	79	6860	5150	4640	25800	6710	3510	4390	1980	401	332	72
MIN	32	32	154	263	880	909	404	330	331	148	72	41
AC-FT	2790	59080	45040	69870	303000	123900	60030	63540	41270	14590	8260	3350
CFSM	.05	1.20	.88	1.37	6.58	2.43	1.22	1.25	.84	.29	.16	.07
IN.	.06	1.34	1.02	1.58	6.85	2.80	1.36	1.44	.93	.33	.19	.08

CAL YR 1988 TOTAL 316240 MEAN 864 MAX 15300 MIN 32 AC-FT 627300 CFSM 1.04 IN. 14.19
WTR YR 1989 TOTAL 400672 MEAN 1098 MAX 25800 MIN 32 AC-FT 794700 CFSM 1.32 IN. 17.98

e Estimated

07056000 BUFFALO RIVER NEAR ST. JOE, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-57, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1956 to September 1957.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 25.	1100	9827	9827	37	7.5	14.0	1.5	9.7	1.6
NOV 29.	1100	9827	9827	1360	--	9.0	9.0	10.7	1.6
DEC 27.	1130	9827	9827	434	7.9	10.0	4.5	10.8	0.6
JAN 24.	1125	9827	9827	265	8.2	9.0	2.0	12.2	2.6
FEB 21.	1430	9827	9827	6050	7.5	7.0	--	11.1	3.4
MAR 28.	1520	9827	9827	1270	8.1	16.0	5.5	8.7	1.3
APR 25.	1210	9827	9827	499	8.2	22.0	1.5	9.2	0.9
MAY 23.	1430	9827	9827	3510	8.1	23.0	20	8.6	2.3
JUN 13.	1430	9827	9827	1970	8.1	21.0	8.5	8.1	1.7
JUL 25.	1345	9827	9827	453	8.3	27.0	4.2	9.0	0.8
AUG 22.	1130	9827	9827	75	8.2	27.0	1.5	8.1	1.6
SEP 12.	1530	9827	9827	58	8.3	24.0	1.5	9.4	1.0

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 25.	1100	4.0	5.0	157	2	--	--	0.010	--
NOV 29.	1100	2.5	5.0	80	4	0.190	0.020	0.030	0.020
DEC 27.	1130	2.0	7.0	119	1	0.050	0.010	0.040	<0.010
JAN 24.	1125	2.5	5.0	100	1	0.030	0.040	0.010	<0.010
FEB 21.	1430	1.5	5.0	87	13	0.200	0.010	0.040	0.020
MAR 28.	1520	2.0	--	112	4	0.140	0.140	0.030	--
APR 25.	1210	2.3	7.0	118	1	<0.010	0.100	<0.010	<0.010
MAY 23.	1430	2.0	6.0	94	25	0.050	<0.010	0.050	0.040
JUN 13.	1430	2.7	4.0	103	10	0.040	0.030	--	<0.010
JUL 25.	1345	2.2	3.0	134	5	<0.020	<0.050	0.050	<0.030
AUG 22.	1130	2.6	5.0	136	2	--	<0.050	<0.030	<0.030
SEP 12.	1530	3.0	4.0	143	3	0.030	<0.050	<0.030	0.030

07056000 BUFFALO RIVER NEAR ST. JOE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1100	<1	<1	<15	1	<0.50	<10	4.0
NOV								
29.	1100	<1	<1	<15	8	--	20	2.7
DEC								
27.	1130	<1	3	<15	2	--	<10	1.3
JAN								
24.	1125	<1	7	<15	<1	--	--	2.8
FEB								
21.	1430	<1	<1	<15	<1	--	10	2.8
MAR								
28.	1520	<1	<1	<15	<1	--	10	4.4
APR								
25.	1210	<1	<1	--	1	--	<10	2.9
MAY								
23.	1430	<1	1	18	2	--	<10	4.0
JUN								
13.	1430	<1	7	44	3	--	30	3.1
JUL								
25.	1345	--	<1	<15	2	--	<10	4.0
AUG								
22.	1130	--	<1	--	--	--	<10	3.9
SEP								
12.	1530	<1	--	<15	--	0.58	--	3.1

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARK.

LOCATION.--Lat 36°17'32", long 92°22,34", in NE ¼ NE ¼ sec.28, T.19 N., R.13 W., Baxter County, Hydrologic Unit 11010004, at downstream side of low-water bridge on the Heritage Estate Subdivision Road, 3.0 mi south of Baxter County fairgrounds, and 0.9 mi from Highway 201 cutoff.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 25...	0930	9827	9827	7.4	12.0	3.0	8.5	2.0	59
NOV 29...	0900	9827	9827	--	5.0	2.5	11.7	2.0	14
DEC 27...	0945	9827	9827	8.0	10.0	4.0	10.1	1.7	33
JAN 24...	0945	9827	9827	8.1	7.0	2.5	13.5	1.8	37
FEB 21...	1200	9827	9827	7.5	9.0	--	11.5	3.2	7.5
MAR 28...	1100	9827	9827	8.0	16.0	110	8.7	--	12
APR 25...	1045	9827	9827	8.4	20.0	2.5	11.1	2.2	31
MAY 23...	1210	9827	9827	8.3	22.0	7.0	9.1	2.7	15
JUN 13...	1145	9827	9827	8.2	20.0	8.5	8.3	1.1	11
JUL 25...	1105	9827	9827	8.2	24.0	45	8.0	1.6	24
AUG 22...	1000	9827	9827	8.0	24.0	6.0	7.1	2.6	41
SEP 12...	1115	9827	9827	8.0	22.0	3.5	8.4	1.3	57

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT 25...	0930	23	372	4	--	--	--	0.60	4.00
NOV 29...	0900	21	244	2	2.40	0.030	0.27	0.30	0.720
DEC 27...	0945	22	339	2	4.80	0.030	0.37	0.40	2.10
JAN 24...	0945	22	333	2	5.10	0.010	0.39	0.40	2.00
FEB 21...	1200	16	205	10	1.40	0.080	0.52	0.60	0.270
MAR 28...	1100	--	211	263	1.80	<0.010	--	1.6	0.810
APR 25...	1045	24	329	5	6.30	0.100	0.90	1.0	2.50
MAY 23...	1210	20	269	10	2.90	<0.010	--	0.80	1.20
JUN 13...	1145	10	247	11	1.80	<0.010	--	0.70	--
JUL 25...	1105	13	260	28	4.70	0.050	0.81	0.86	1.80
AUG 22...	1000	24	314	9	--	<0.050	--	0.98	3.20
SEP 12...	1115	20	367	5	12.0	<0.050	--	0.80	4.00

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	0930	--	<1	<1	<15	2	<0.50	30	9.6
NOV									
29...	0900	0.670	<1	1	<15	9	--	10	2.8
DEC									
27...	0945	2.20	<1	1	<15	3	--	20	4.6
JAN									
24...	0945	2.00	<1	<1	<15	<1	--	--	8.7
FEB									
21...	1200	0.220	<1	<1	<15	1	--	10	6.4
MAR									
28...	1100	--	<1	34	<15	19	--	410	11
APR									
25...	1045	2.20	<1	<1	--	2	--	<10	8.0
MAY									
23...	1210	1.00	<1	1	18	1	--	<10	7.9
JUN									
13...	1145	0.550	<1	9	20	2	--	20	7.6
JUL									
25...	1105	1.60	<1	<1	<15	3	--	10	7.0
AUG									
22...	1000	3.55	--	<1	--	--	--	10	7.4
SEP									
12...	1115	3.20	<1	--	<15	--	<0.40	--	5.7

07057370 WHITE RIVER NEAR NORFORK, ARK.

LOCATION.--Lat 36°13'24", long 92°18'06", in sec.17, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010004, at bridge on State Highway 341, and 1.7 mi northwest of Norfork.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 25.	0900	9827	9827	5720	7.6	12.0	1.5	8.5	0.5
NOV 29.	0830	9827	9827	8470	--	9.0	10	10.3	0.6
DEC 27.	0900	9827	9827	1770	8.0	10.0	3.0	10.9	0.5
JAN 24.	0920	9827	9827	5910	8.1	9.0	3.0	10.7	0.4
FEB 21.	1130	9827	9827	15200	7.3	7.0	--	11.1	0.5
MAR 28.	1030	9827	9827	29200	8.0	8.0	4.0	10.9	0.7
APR 25.	0945	9827	9827	18900	8.1	10.0	2.0	10.2	0.9
MAY 23.	1130	9827	9827	9410	8.1	17.0	3.5	9.2	0.8
JUN 13.	1115	9827	9827	4520	8.1	21.0	9.0	8.3	1.0
JUL 25.	1030	9827	9827	7240	8.1	16.0	10	9.0	1.0
AUG 22.	0915	9827	9827	6620	8.0	15.0	2.0	8.3	3.8
SEP 12.	1045	9827	9827	1970	8.2	21.0	1.5	8.3	0.8

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 25.	0900	5.5	6.0	170	3	--	--	0.010	--
NOV 29.	0830	3.0	6.0	105	9	0.240	0.030	0.040	0.020
DEC 27.	0900	4.0	8.0	165	3	0.130	0.030	0.040	<0.010
JAN 24.	0920	4.5	7.0	141	3	0.200	0.010	0.020	<0.010
FEB 21.	1130	2.5	9.0	141	--	0.410	0.360	0.040	0.020
MAR 28.	1030	4.5	--	151	7	0.300	0.130	0.040	--
APR 25.	0945	3.9	8.0	144	2	0.200	0.080	0.010	0.010
MAY 23.	1130	3.0	11	146	7	0.120	0.030	0.020	0.080
JUN 13.	1115	3.6	6.0	146	12	--	0.130	--	<0.010
JUL 25.	1030	4.1	5.0	149	2	0.260	<0.050	0.060	<0.030
AUG 22.	0915	4.6	8.0	144	2	--	<0.050	<0.030	<0.030
SEP 12.	1045	4.8	5.0	154	3	0.200	<0.050	<0.030	0.040

07057370 WHITE RIVER NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	0900	<1	<1	<15	4	<0.50	<10	4.9
NOV								
29.	0830	<1	<1	<15	<1	--	<10	3.5
DEC								
27.	0900	<1	4	<15	5	--	<10	2.1
JAN								
24.	0920	--	22	<15	2	--	--	5.0
FEB								
21.	1130	<1	<1	<15	<1	--	20	3.2
MAR								
28.	1030	1	1	<15	<1	--	10	4.4
APR								
25.	0945	<1	<1	--	1	--	<10	5.3
MAY								
23.	1130	<1	1	<15	1	--	<10	4.0
JUN								
13.	1115	<1	--	15	3	--	10	4.8
JUL								
25.	1030	<1	<1	<15	1	--	<10	3.8
AUG								
22.	0915	--	<1	--	--	--	10	4.1
SEP								
12.	1045	<1	--	<15	--	<0.40	--	3.0

07059500 NORFORK LAKE NEAR NORFORK, ARK.

LOCATION.--Lat 36°14'57", long 92°14'16", in SE ¼ sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at dam on North Fork River, 4.3 mi northeast of Norfork, and at mile 4.8.

DRAINAGE AREA.--1,808 mi^2.

PERIOD OF RECORD.--Water years 1968-69, 1971-72, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
18...	1135	80513	80020	0.0	290	8.4	20.0	7.8	4.10
18...	1136	80513	80020	10.0	290	8.3	20.0	7.7	--
18...	1138	80513	80020	20.0	290	8.3	20.5	7.7	--
18...	1140	80513	80020	30.0	290	8.3	20.5	7.6	--
18...	1142	80513	80020	40.0	290	8.3	20.5	7.6	--
18...	1144	80513	80020	50.0	291	8.3	20.0	7.4	--
18...	1146	80513	80020	60.0	310	7.5	19.0	0.5	--
18...	1148	80513	80020	61.0	309	7.5	18.0	0.2	--
18...	1150	80513	80020	64.0	308	7.5	17.0	0.2	--
18...	1152	80513	80020	67.0	308	7.5	16.0	0.2	--
18...	1154	80513	80020	70.0	306	7.5	16.0	0.2	--
18...	1156	80513	80020	73.0	305	7.5	14.5	0.2	--
18...	1158	80513	80020	78.0	305	7.5	13.5	0.7	--
18...	1200	80513	80020	80.0	306	7.5	13.5	0.8	--
18...	1202	80513	80020	90.0	307	7.5	12.5	1.0	--
18...	1204	80513	80020	100	306	7.5	11.5	0.9	--
18...	1206	80513	80020	110	310	7.4	11.0	0.5	--
18...	1208	80513	80020	120	327	7.4	10.5	0.3	--
18...	1210	80513	80020	130	330	7.4	10.0	0.3	--
18...	1212	80513	80020	140	333	7.4	10.0	0.3	--
18...	1214	80513	80020	150	333	7.4	9.5	0.3	--
18...	1216	80513	80020	160	332	7.4	9.5	0.3	--
18...	1218	80513	80020	170	332	7.4	9.0	0.2	--
18...	1220	80513	80020	176	337	7.4	9.0	0.3	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
15...	1315	80513	80020	0.0	306	8.0	16.0	8.6	5.50
15...	1316	80513	80020	10.0	306	8.0	16.0	8.0	--
15...	1317	80513	80020	20.0	306	8.0	16.0	7.8	--
15...	1318	80513	80020	30.0	307	8.0	16.0	7.6	--
15...	1319	80513	80020	40.0	307	8.0	16.0	7.5	--
15...	1320	80513	80020	50.0	308	7.9	16.0	7.0	--
15...	1321	80513	80020	60.0	314	7.8	15.5	5.0	--
15...	1322	80513	80020	70.0	325	7.5	15.0	0.9	--
15...	1323	80513	80020	80.0	320	7.4	14.5	0.3	--
15...	1324	80513	80020	85.0	320	7.4	13.5	0.3	--
15...	1325	80513	80020	90.0	323	7.4	13.0	0.3	--
15...	1326	80513	80020	110	325	7.4	12.0	0.3	--
15...	1327	80513	80020	110	334	7.4	11.5	0.3	--
15...	1328	80513	80020	120	336	7.4	11.0	0.3	--
15...	1329	80513	80020	130	345	7.3	10.5	0.3	--
15...	1330	80513	80020	140	347	7.4	10.5	0.3	--
15...	1331	80513	80020	150	349	7.4	10.0	0.3	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
13...	1230	80513	80020	0.0	301	7.6	12.0	7.8	2.70
13...	1231	80513	80020	10.0	303	7.7	11.5	7.3	--
13...	1232	80513	80020	20.0	304	7.7	11.5	7.1	--
13...	1233	80513	80020	30.0	304	7.7	11.5	7.0	--
13...	1234	80513	80020	40.0	304	7.7	11.5	6.9	--
13...	1235	80513	80020	50.0	304	7.7	11.5	7.0	--
13...	1236	80513	80020	60.0	304	7.7	11.5	6.9	--
13...	1237	80513	80020	70.0	305	7.7	11.5	6.9	--
13...	1238	80513	80020	80.0	305	7.7	11.5	6.7	--
13...	1239	80513	80020	90.0	308	7.7	11.5	6.2	--
13...	1240	80513	80020	100	310	7.6	11.5	5.7	--
13...	1241	80513	80020	110	310	7.6	11.5	4.9	--
13...	1242	80513	80020	120	310	7.6	11.5	5.2	--
13...	1243	80513	80020	130	319	7.5	11.5	3.7	--
13...	1244	80513	80020	140	325	7.4	11.5	1.5	--
13...	1245	80513	80020	150	345	7.3	11.0	0.2	--
13...	1246	80513	80020	151	348	7.3	10.5	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
12...	0830	80513	80020	0.0	301	8.1	9.0	9.5
12...	0831	80513	80020	3.00	301	8.1	9.0	9.5
12...	0832	80513	80020	10.0	301	8.1	9.0	9.5
12...	0833	80513	80020	20.0	301	8.1	9.0	9.5
12...	0835	80513	81213	25.0	301	8.1	9.0	9.5
12...	0836	80513	80020	30.0	302	8.1	9.0	9.4
12...	0837	80513	80020	40.0	301	8.1	9.0	9.4
12...	0838	80513	80020	50.0	302	8.1	9.0	9.4
12...	0839	80513	80020	60.0	301	8.1	9.0	9.3
12...	0840	80513	80020	70.0	301	8.1	9.0	9.3
12...	0841	80513	80020	80.0	304	8.1	9.0	9.3
12...	0842	80513	80020	90.0	302	8.1	9.0	9.3
12...	0845	80513	81213	100	304	8.1	9.0	9.3
12...	0846	80513	80020	110	304	8.1	9.0	9.3
12...	0847	80513	80020	120	306	8.1	9.0	9.2
12...	0848	80513	80020	130	306	8.1	9.0	9.2
12...	0849	80513	80020	140	308	8.1	9.0	9.1
12...	0850	80513	80020	150	308	8.1	9.0	9.1
12...	0851	80513	80020	160	309	8.1	9.0	9.0
12...	0852	80513	80020	170	310	8.1	9.0	9.0

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
12...	0830	3.90	0	--	--	--	--	--
12...	0835	--	--	<5	1.4	1.4	150	29
12...	0845	--	--	<5	1.5	1.4	150	29

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	0831	--	--	0.170	<0.020	0.010	2.10	<0.100
12...	0835	18	144	0.170	<0.020	0.010	--	--
12...	0845	18	148	0.170	<0.020	0.010	--	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
14...	1230	80513	80020	0.0	296	8.5	6.5	13.2	3.30
14...	1231	80513	80020	10.0	295	8.5	6.5	13.3	--
14...	1232	80513	80020	20.0	296	8.5	6.5	12.9	--
14...	1233	80513	80020	30.0	296	8.4	6.5	12.2	--
14...	1234	80513	80020	40.0	297	8.4	6.5	11.9	--
14...	1235	80513	80020	50.0	296	8.4	6.5	11.7	--
14...	1236	80513	80020	60.0	296	8.4	6.5	11.7	--
14...	1237	80513	80020	70.0	297	8.4	6.5	11.7	--
14...	1238	80513	80020	80.0	295	8.4	6.5	11.7	--
14...	1239	80513	80020	90.0	298	8.4	6.5	11.7	--
14...	1240	80513	80020	100	293	8.4	6.5	11.6	--
14...	1241	80513	80020	110	296	8.4	6.5	11.6	--
14...	1242	80513	80020	120	293	8.4	6.5	11.5	--
14...	1243	80513	80020	130	294	8.4	6.5	11.5	--
14...	1244	80513	80020	140	296	8.4	6.5	11.4	--
14...	1245	80513	80020	150	298	8.4	6.5	11.3	--
14...	1246	80513	80020	160	297	8.4	6.5	11.1	--
14...	1247	80513	80020	170	297	8.3	6.5	10.9	--
14...	1248	80513	80020	172	296	8.3	6.5	10.8	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
14...	1215	80513	80020	0.0	289	8.2	7.5	12.4	2.90
14...	1216	80513	80020	10.0	290	8.2	6.5	11.8	--
14...	1217	80513	80020	20.0	292	8.2	6.5	11.6	--
14...	1218	80513	80020	30.0	294	8.2	6.5	11.3	--
14...	1219	80513	80020	40.0	294	8.2	6.5	11.3	--
14...	1220	80513	80020	50.0	295	8.2	6.5	11.3	--
14...	1221	80513	80020	60.0	293	8.2	6.5	11.2	--
14...	1222	80513	80020	70.0	295	8.2	6.5	11.2	--
14...	1223	80513	80020	80.0	294	8.2	6.5	11.2	--
14...	1224	80513	80020	90.0	294	8.2	6.5	11.2	--
14...	1225	80513	80020	100	296	8.2	6.5	11.1	--
14...	1226	80513	80020	110	297	8.2	6.5	11.1	--
14...	1227	80513	80020	120	299	8.2	6.5	11.1	--
14...	1228	80513	80020	130	297	8.2	6.5	11.1	--
14...	1229	80513	80020	140	299	8.2	6.0	11.1	--
14...	1230	80513	80020	150	299	8.2	6.0	11.0	--
14...	1231	80513	80020	160	302	8.2	6.0	10.9	--
14...	1232	80513	80020	165	303	8.2	6.0	10.9	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR									
11...	0930	80513	80020	0.0	292	8.1	10.5	11.6	4.60
11...	0931	80513	80020	10.0	292	8.2	10.5	10.8	--
11...	0932	80513	80020	20.0	293	8.3	10.5	10.6	--
11...	0933	80513	80020	30.0	295	8.3	10.5	10.5	--
11...	0934	80513	80020	40.0	294	8.3	10.5	10.4	--
11...	0935	80513	80020	50.0	294	8.3	10.5	10.4	--
11...	0936	80513	80020	60.0	296	8.3	10.5	10.4	--
11...	0937	80513	80020	70.0	294	8.3	10.5	10.3	--
11...	0938	80513	80020	72.0	298	8.3	9.5	10.2	--
11...	0939	80513	80020	74.0	296	8.3	8.5	9.8	--
11...	0940	80513	80020	76.0	297	8.2	7.5	10.0	--
11...	0941	80513	80020	80.0	292	8.2	7.5	9.9	--
11...	0942	80513	80020	90.0	295	8.2	7.0	9.9	--
11...	0943	80513	80020	100	295	8.2	7.0	9.8	--
11...	0944	80513	80020	110	293	8.2	7.0	9.7	--
11...	0945	80513	80020	120	300	8.2	6.5	9.7	--
11...	0946	80513	80020	130	302	8.2	6.5	9.8	--
11...	0947	80513	80020	140	301	8.2	6.5	9.8	--
11...	0948	80513	80020	150	301	8.2	6.5	9.7	--
11...	0949	80513	80020	160	304	8.2	6.5	9.6	--
11...	0950	80513	80020	170	304	8.2	6.5	9.5	--
11...	0951	80513	80020	180	304	8.2	6.5	9.4	--
11...	0952	80513	80020	183	304	8.2	6.5	9.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY								
10...	1215	80513	80020	0.0	297	8.6	18.5	10.7
10...	1216	80513	80020	3.00	296	8.6	18.5	10.4
10...	1217	80513	80020	10.0	297	8.6	18.0	10.4
10...	1218	80513	80020	20.0	297	8.6	18.0	10.4
10...	1219	80513	81213	25.0	297	8.6	18.0	10.3
10...	1220	80513	80020	30.0	298	8.6	18.0	10.2
10...	1221	80513	80020	36.0	296	8.5	16.5	9.1
10...	1222	80513	80020	37.0	297	8.2	14.0	9.4
10...	1223	80513	80020	40.0	298	8.1	12.5	9.3
10...	1224	80513	80020	50.0	295	8.1	11.5	9.2
10...	1225	80513	80020	60.0	293	8.1	10.5	9.2
10...	1226	80513	80020	70.0	294	8.1	10.0	9.1
10...	1227	80513	80020	80.0	297	8.0	9.0	9.2
10...	1228	80513	80020	90.0	296	8.0	8.0	9.2
10...	1229	80513	81213	100	297	8.0	8.0	9.1
10...	1230	80513	80020	110	298	8.0	7.5	9.0
10...	1231	80513	80020	120	299	8.0	7.5	9.0
10...	1232	80513	80020	130	301	8.0	7.5	8.7
10...	1233	80513	80020	140	303	8.0	7.5	8.5
10...	1234	80513	80020	150	302	8.0	7.0	8.4
10...	1235	80513	80020	160	303	8.0	7.0	8.4
10...	1236	80513	80020	170	301	7.9	7.0	8.0
10...	1237	80513	80020	178	304	7.9	7.0	7.1

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
MAY								
10...	1215	5.50	0	--	--	--	--	--
10...	1219	--	--	<5	0.40	1.1	170	34
10...	1229	--	--	<5	0.50	0.4	160	33

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY								
10...	1216	--	--	--	--	--	1.10	<0.100
10...	1219	20	152	0.120	0.020	0.010	--	--
10...	1229	20	152	0.250	0.020	<0.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN									
06...	1145	80513	80020	0.0	291	8.4	25.0	9.0	7.40
06...	1146	80513	80020	10.0	293	8.4	24.5	8.9	--
06...	1147	80513	80020	20.0	295	8.4	24.0	9.1	--
06...	1148	80513	80020	22.0	298	8.3	22.5	9.1	--
06...	1149	80513	80020	23.0	299	8.3	22.0	9.0	--
06...	1150	80513	80020	25.0	299	8.3	21.0	8.9	--
06...	1151	80513	80020	30.0	302	8.2	19.5	8.6	--
06...	1152	80513	80020	35.0	303	8.1	18.5	8.1	--
06...	1153	80513	80020	40.0	301	8.0	17.0	7.7	--
06...	1154	80513	80020	45.0	301	7.9	16.0	7.4	--
06...	1155	80513	80020	50.0	298	7.8	15.0	7.3	--
06...	1156	80513	80020	55.0	295	7.8	13.5	7.4	--
06...	1157	80513	80020	60.0	294	7.8	12.5	7.6	--
06...	1158	80513	80020	65.0	294	7.9	11.0	7.8	--
06...	1159	80513	80020	70.0	292	7.9	10.5	7.7	--
06...	1200	80513	80020	80.0	292	7.8	10.0	7.6	--
06...	1201	80513	80020	90.0	298	7.8	9.5	7.5	--
06...	1202	80513	80020	100	294	7.8	9.0	7.4	--
06...	1203	80513	80020	110	297	7.8	8.5	7.4	--
06...	1204	80513	80020	120	297	7.8	8.0	7.2	--
06...	1205	80513	80020	130	298	7.8	8.0	7.2	--
06...	1206	80513	80020	140	297	7.8	8.0	7.3	--
06...	1207	80513	80020	150	299	7.8	8.0	7.1	--
06...	1208	80513	80020	160	298	7.8	7.5	6.9	--
06...	1209	80513	80020	170	300	7.8	7.5	6.6	--
06...	1210	80513	80020	180	302	7.8	7.5	6.1	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL									
12...	1240	80513	80020	0.0	292	8.5	29.5	8.5	4.30
12...	1241	80513	80020	10.0	292	8.5	29.0	8.3	--
12...	1242	80513	80020	13.0	293	8.6	28.0	9.1	--
12...	1243	80513	80020	15.0	292	8.6	27.5	9.9	--
12...	1244	80513	80020	18.0	296	8.6	26.5	10.2	--
12...	1245	80513	80020	20.0	297	8.6	26.0	10.1	--
12...	1246	80513	80020	22.0	298	8.5	25.5	10.0	--
12...	1247	80513	80020	25.0	302	8.5	24.5	9.5	--
12...	1248	80513	80020	27.0	304	8.4	23.5	8.9	--
12...	1249	80513	80020	30.0	308	8.2	22.5	7.6	--
12...	1250	80513	80020	33.0	310	8.0	21.5	6.0	--
12...	1251	80513	80020	36.0	311	7.8	20.5	5.2	--
12...	1252	80513	80020	40.0	311	7.7	20.0	4.6	--
12...	1253	80513	80020	45.0	314	7.7	19.0	4.2	--
12...	1254	80513	80020	50.0	314	7.7	18.0	4.1	--
12...	1255	80513	80020	55.0	308	7.6	16.5	4.0	--
12...	1256	80513	80020	60.0	310	7.6	15.0	4.1	--
12...	1257	80513	80020	65.0	308	7.7	14.0	4.4	--
12...	1258	80513	80020	70.0	306	7.7	13.0	5.0	--
12...	1259	80513	80020	75.0	308	7.8	12.0	5.5	--
12...	1300	80513	80020	80.0	309	7.8	11.5	5.7	--
12...	1301	80513	80020	90.0	308	7.8	10.5	5.8	--
12...	1302	80513	80020	100	305	7.8	10.0	5.7	--
12...	1303	80513	80020	110	311	7.8	10.0	5.5	--
12...	1304	80513	80020	120	314	7.7	9.5	5.5	--
12...	1305	80513	80020	130	314	7.7	9.0	5.0	--
12...	1306	80513	80020	140	313	7.7	9.0	4.7	--
12...	1307	80513	80020	150	309	7.7	8.5	4.6	--
12...	1308	80513	80020	160	315	7.6	8.5	3.8	--
12...	1309	80513	80020	168	312	7.6	8.5	3.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG								
16...	0820	80513	80020	0.0	272	8.6	27.0	9.2
16...	0821	80513	80020	3.00	272	8.6	27.5	9.0
16...	0822	80513	80020	10.0	271	8.6	27.5	8.9
16...	0823	80513	80020	20.0	271	8.6	27.5	8.8
16...	0824	80513	81213	25.0	278	8.5	26.5	9.9
16...	0825	80513	80020	26.0	289	8.5	26.0	10.5
16...	0826	80513	80020	29.0	295	8.4	24.5	9.9
16...	0827	80513	80020	30.0	298	8.3	24.5	9.3
16...	0828	80513	80020	33.0	298	8.1	23.5	7.1
16...	0829	80513	80020	35.0	298	7.9	22.5	5.3
16...	0830	80513	80020	37.0	296	7.7	22.0	3.5
16...	0831	80513	80020	40.0	297	7.6	21.5	2.8
16...	0832	80513	80020	42.0	298	7.5	20.5	1.2
16...	0833	80513	80020	44.0	297	7.5	19.5	1.1
16...	0834	80513	80020	48.0	298	7.5	18.5	0.8
16...	0835	80513	80020	50.0	298	7.5	18.0	0.8
16...	0836	80513	80020	55.0	297	7.5	17.5	1.0
16...	0837	80513	80020	57.0	296	7.5	16.5	1.2
16...	0838	80513	80020	60.0	295	7.5	16.0	1.4
16...	0839	80513	80020	63.0	297	7.6	15.0	1.9
16...	0840	80513	80020	67.0	294	7.6	14.0	2.8
16...	0841	80513	80020	70.0	293	7.6	13.0	3.6
16...	0842	80513	80020	75.0	291	7.7	12.5	4.0
16...	0843	80513	80020	80.0	288	7.7	11.5	4.6
16...	0844	80513	80020	90.0	289	7.8	10.5	4.9
16...	0845	80513	81213	100	288	7.8	10.0	4.8
16...	0846	80513	80020	110	291	7.8	9.5	4.5
16...	0847	80513	80020	120	294	7.7	9.0	4.1
16...	0848	80513	80020	130	294	7.7	9.0	3.5
16...	0849	80513	80020	140	296	7.7	8.5	2.6
16...	0850	80513	80020	150	294	7.6	8.5	2.0
16...	0851	80513	80020	155	294	7.6	8.5	1.7

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
AUG								
16...	0820	5.40	0	--	--	--	--	--
16...	0824	--	--	<5	0.41	0.4	150	29
16...	0845	--	--	<5	0.33	0.9	160	32

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG								
16...	0821	--	--	0.030	<0.020	<0.010	0.300	<0.100
16...	0824	20	144	0.020	<0.020	<0.010	--	--
16...	0845	19	144	0.360	<0.020	<0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
SEP									
12...	1145	80513	80020	0.0	302	8.5	26.5	9.0	5.60
12...	1146	80513	80020	10.0	302	8.5	27.0	8.9	--
12...	1147	80513	80020	20.0	302	8.5	27.0	8.8	--
12...	1148	80513	80020	30.0	302	8.5	27.0	8.6	--
12...	1149	80513	80020	35.0	319	8.0	25.5	4.9	--
12...	1150	80513	80020	38.0	333	7.7	24.5	3.3	--
12...	1151	80513	80020	40.0	336	7.6	23.5	1.2	--
12...	1152	80513	80020	42.0	332	7.5	22.5	0.3	--
12...	1153	80513	80020	44.0	330	7.5	21.5	0.2	--
12...	1154	80513	80020	46.0	330	7.5	20.5	0.2	--
12...	1155	80513	80020	49.0	327	7.5	20.0	0.1	--
12...	1156	80513	80020	50.0	328	7.5	19.5	0.2	--
12...	1157	80513	80020	53.0	327	7.5	18.5	0.1	--
12...	1158	80513	80020	56.0	325	7.5	18.0	0.1	--
12...	1159	80513	80020	60.0	326	7.5	17.0	0.2	--
12...	1200	80513	80020	65.0	325	7.5	16.0	0.3	--
12...	1201	80513	80020	70.0	325	7.5	15.0	0.9	--
12...	1202	80513	80020	75.0	320	7.6	13.5	2.2	--
12...	1203	80513	80020	80.0	318	7.6	12.5	3.1	--
12...	1204	80513	80020	85.0	316	7.6	12.0	4.1	--
12...	1205	80513	80020	90.0	313	7.6	11.5	4.1	--
12...	1206	80513	80020	100	314	7.6	10.5	4.2	--
12...	1207	80513	80020	110	320	7.6	10.0	3.5	--
12...	1208	80513	80020	120	323	7.6	9.5	2.5	--
12...	1209	80513	80020	130	332	7.6	9.5	1.5	--
12...	1210	80513	80020	140	326	7.5	9.0	0.8	--
12...	1211	80513	80020	150	326	7.5	9.0	0.4	--
12...	1212	80513	80020	160	320	7.5	8.5	0.2	--
12...	1213	80513	80020	169	323	7.5	8.5	0.2	--

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, ARK.

LOCATION.--Lat 36°14'18", long 92°14'18", in SE 1/4 SW 1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at Norfork Dam, 3.9 mi northeast of Norfork, and at mile 4.8.

DRAINAGE AREA.--1,808 mi2.

PERIOD OF RECORD.--Water years 1946-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to September 1971.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (000.0)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)
OCT 18...	1115	80513	80020	313	7.6	13.0	3.2	--	--	--
NOV 15...	1250	80513	80020	341	7.7	15.0	7.0	--	--	--
DEC 13...	1300	80513	80020	316	7.7	12.0	9.8	--	--	--
JAN 12...	0740	80513	81213	303	8.0	9.5	10.1	5	<5	1.7
FEB 14...	1215	80513	80020	293	8.3	6.5	12.8	--	--	--
MAR 14...	1200	80513	80020	302	8.0	7.5	12.1	--	--	--
APR 11...	0850	80513	80020	296	7.8	8.0	11.5	--	--	--
MAY 10...	1135	80513	81213	327	8.3	12.0	8.0	16	<5	0.60
JUN 06...	1115	80513	80020	296	7.3	10.5	9.3	--	--	--
JUL 12...	1210	80513	80020	310	7.8	12.0	9.7	--	--	--
AUG 16...	0855	80513	81213	319	7.5	11.5	8.7	20	5	0.71
SEP 12...	1130	80513	80020	324	7.9	12.0	7.9	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
JAN 12...	0740	1.6	150	29	18	148	0.180	<0.020	0.010
MAY 10...	1135	1.8	180	39	21	164	0.200	0.070	0.010
AUG 16...	0855	1.4	160	34	18	182	0.370	0.040	0.030

07060500 WHITE RIVER AT CALICO ROCK, AR

LOCATION.--Lat 36°06'58", long 92°08'35", in SE¼NE¼ sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft upstream from bridge on State Highway 5, 700 ft upstream from Calico Creek, 3.2 mi downstream from Cataract Creek, 6.0 mi upstream from Piney Creek, and at mile 359.1.

DRAINAGE AREA.--9,978 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 316.38 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 26, 1940, nonrecording gage at same site and Jan. 27 to Aug. 13, 1940, nonrecording gage at site 500 ft downstream, both at datum 2.07 ft higher. Aug. 14, 1940, to Dec. 5, 1966, water-stage recorder at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

AVERAGE DISCHARGE.--50 years, 10,040 ft³/s, 7,274,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 310,000 ft³/s Apr. 16, 1945, gage height, 49.84 ft present datum; minimum observed, 305 ft³/s Sept. 27, 1954; minimum daily, 310 ft³/s Sept 27, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1904, 52.9 ft Jan. 31, 1916, present datum, from records of National Weather Service, discharge, 350,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57,000 ft³/s Feb. 15, gage height, 17.92 ft; minimum daily, 1,390 ft³/s Sept. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3430	7610	9910	6340	9080	12800	24400	5690	8840	11200	4880	11900
2	1770	7340	8550	6460	12100	12500	22500	16900	6090	2830	3220	2540
3	1500	3850	8610	5410	31500	17300	22200	17700	3500	3580	9830	3030
4	1670	1880	8840	12100	25600	19400	23700	17000	4120	5210	12700	3860
5	2110	2810	6710	13200	15100	16200	15400	13400	6390	4190	9400	2890
6	1750	3240	8120	16800	12000	10300	18800	8580	9240	9810	3410	1980
7	3280	3010	9070	12700	17800	10800	18200	3250	9980	11800	4170	6850
8	2590	4300	9650	5130	18000	14100	18800	3790	6480	11700	2010	9600
9	2230	3820	11600	14200	18800	17800	21000	20400	6000	8910	2020	8520
10	4290	2880	10000	19500	19800	16600	23900	9700	5380	8260	2170	2220
11	4810	5920	5460	7200	9110	19100	27100	7120	3430	12900	5980	1760
12	2050	12000	1600	4620	6460	20400	28300	9270	6750	12700	3950	2960
13	5110	3890	2970	2780	12500	20800	25900	4360	8470	10100	2830	2220
14	4040	1550	4010	3010	48100	19700	30700	2770	7620	11500	2520	3690
15	4460	5090	6260	6340	52300	20000	29400	2880	7350	6160	6670	3080
16	2130	6660	12800	4740	50300	20100	31700	8510	7460	1900	5140	2660
17	2010	7420	12500	5400	30400	23300	32400	4210	8040	1830	1650	2820
18	9660	5430	4630	3700	19600	22900	30600	2910	11800	3850	2220	3050
19	7010	7410	3730	4780	16400	25500	32500	4280	11500	3020	5120	5840
20	9790	12700	3270	4300	15000	27700	33300	4020	20000	2640	2480	1650
21	9970	11500	3220	7440	17200	31400	33500	3250	9260	2670	2540	1390
22	8420	8300	2590	3910	16400	19400	29900	3750	10900	2040	7440	1470
23	3760	6490	2520	1870	14800	32400	26700	12600	5290	1890	12600	1950
24	2410	3920	2230	7300	11800	31600	21800	14100	4760	2710	4980	1710
25	7080	2800	2140	3790	11300	32300	23100	20300	8750	7610	2070	2270
26	6270	7010	2610	6840	10900	32300	19000	11700	8360	8210	2770	2660
27	9300	13900	3030	11000	12200	30500	19700	10900	10400	7480	10700	3950
28	13200	9730	5940	11300	13000	32800	23100	12300	6130	11000	9030	2380
29	9660	9590	10300	12300	---	32600	18200	10600	14600	8940	5250	5850
30	7290	9830	11200	13200	---	28000	8170	8840	13800	8080	2010	3250
31	9060	---	12400	11500	---	25100	---	11300	---	3340	2350	---
TOTAL	162110	191880	206500	249140	547350	695700	733970	286380	250690	208060	154110	110000
MEAN	5229	6396	6661	8037	19550	22440	24470	9238	8356	6712	4971	3667
MAX	13200	13900	12800	19500	52300	32800	33500	20400	20000	12900	12700	11900
MIN	1500	1550	1600	1870	6460	10300	8170	2770	3430	1830	1650	1390
AC-FT	321500	380600	409600	494200	1086000	1380000	1456000	568000	497200	412700	305700	218200

CAL YR 1988 TOTAL 4103130 MEAN 11210 MAX 39100 MIN 1280 AC-FT 8139000
WTR YR 1989 TOTAL 3795890 MEAN 10400 MAX 52300 MIN 1390 AC-FT 7529000

07060500 WHITE RIVER AT CALICO ROCK, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1966 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1966 to September 1981.

REMARKS.--Flow regulated by upstream reservoirs.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 19...	1100	80513	80020	7970	288	7.6	13.0	7.6	72	0.2
DEC 07...	1000	80513	80020	7280	324	8.0	11.0	7.9	72	0.3
MAR 01...	1000	80513	80020	12100	294	7.6	7.0	11.1	92	0.5
APR 19...	1040	80513	80020	32000	256	7.9	8.0	10.4	88	0.6
JUN 14...	1000	80513	80020	5820	297	8.1	12.5	8.6	82	0.9
AUG 30...	1145	80513	80020	1670	298	8.0	17.0	8.5	89	1.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 19...	1100	762	36	35	150	36	14	4.0	6	0.1
DEC 07...	1000	763	11	11	160	33	19	2.9	4	0.1
MAR 01...	1000	757	100	9	140	34	14	3.2	5	0.1
APR 19...	1040	760	13	17	130	34	12	3.6	5	0.1
JUN 14...	1000	755	130	79	150	33	16	2.3	3	0.1
AUG 30...	1145	757	K15	91	150	35	14	3.3	5	0.1

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
OCT 19...	1100	0.70	132	4.2	7.8	0.10	148	0.20	3170	--
DEC 07...	1000	0.40	167	3.1	5.9	0.10	165	0.22	3240	0.000
MAR 01...	1000	0.50	139	3.8	7.2	0.10	147	0.20	4800	--
APR 19...	1040	0.60	133	4.1	6.3	0.10	141	0.19	12200	--
JUN 14...	1000	0.50	148	2.9	5.0	0.10	150	0.20	2350	--
AUG 30...	1145	0.60	147	3.7	6.0	0.10	152	0.21	686	--

07060500 WHITE RIVER AT CALICO ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT 19...	1100	<0.010	0.350	<0.010	<0.010	--	0.50	0.010	0.010	--
DEC 07...	1000	0.010	0.100	0.100	0.030	0.40	0.50	<0.010	<0.010	--
MAR 01...	1000	<0.010	0.170	<0.010	<0.010	--	0.30	0.010	<0.010	--
APR 19...	1040	<0.010	0.200	<0.010	0.010	--	0.20	<0.010	<0.010	--
JUN 14...	1000	<0.010	0.230	<0.010	<0.010	--	<0.20	0.020	<0.010	--
AUG 30...	1145	<0.010	0.260	<0.010	0.020	--	<0.20	<0.010	<0.010	<1

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)
OCT 19...	1100	10	--	--	--	--	--	--	--
DEC 07...	1000	10	--	--	--	--	--	--	--
MAR 01...	1000	10	--	--	--	--	--	--	--
APR 19...	1040	30	--	--	--	--	--	--	--
JUN 14...	1000	150	--	--	--	--	--	--	--
AUG 30...	1145	20	<1	<1	1	4	<10	3	2

DATE	TIME	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 19...	1100	--	--	--	--	--	8	172	78
DEC 07...	1000	--	--	--	--	--	11	216	69
MAR 01...	1000	--	--	--	--	--	8	261	50
APR 19...	1040	--	--	--	--	--	8	691	67
JUN 14...	1000	--	--	--	--	--	9	141	85
AUG 30...	1145	30	<0.10	<1	<1	<10	2	9.0	83

07060590 MILL CREEK NEAR MELBOURNE, ARK.

LOCATION.--Lat 36°03'13", long 91°54'58", in SE ¼ NE ¼ sec.11, T.16 N., R.9 W., Izard County, Hydrologic Unit 11010004, at upstream side of bridge on State Highway 9, 0.4 mi southwest of water tower, and 0.6 mi south of intersection of State Highway 9 and 69.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT									
11...	0930	9827	9827	7.7	14.0	2.0	9.0	0.6	7.5
NOV									
08...	0950	9827	9827	6.6	11.0	2.0	8.7	0.6	7.0
DEC									
13...	0855	9827	9827	7.6	8.0	3.5	11.6	0.4	6.0
FEB									
07...	1045	9827	9827	7.7	8.5	2.5	11.7	0.8	5.0
MAR									
14...	0930	9827	9827	7.0	14.5	3.5	--	0.7	4.5
APR									
11...	0915	9827	9827	7.9	10.0	3.0	10.6	0.9	5.0
MAY									
09...	0915	9827	9827	7.6	16.0	120	8.2	3.0	5.4
JUN									
27...	1000	9827	9827	7.8	18.5	6.0	8.5	0.9	4.9
JUL									
11...	0935	9827	9827	7.8	20.0	4.0	7.9	0.9	7.1
AUG									
08...	1030	9827	9827	7.8	16.0	3.0	9.0	1.1	5.5
SEP									
12...	0920	9827	9827	7.7	19.0	6.5	6.5	0.8	5.8

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	0930	4.0	226	1	0.960	0.080	0.22	0.30	0.010
NOV									
08...	0950	5.0	210	2	0.870	0.040	0.16	0.20	0.040
DEC									
13...	0855	5.0	210	5	1.30	0.030	0.27	0.30	0.010
FEB									
07...	1045	6.0	185	4	1.10	0.060	0.14	0.20	0.030
MAR									
14...	0930	8.0	172	3	0.910	0.080	0.32	0.40	0.020
APR									
11...	0915	7.0	195	1	0.740	0.070	0.33	0.40	0.010
MAY									
09...	0915	9.0	184	77	0.590	0.080	0.92	1.0	0.260
JUN									
27...	1000	4.0	190	8	0.780	0.110	0.19	0.30	0.030
JUL									
11...	0935	5.0	213	6	0.900	0.110	0.29	0.40	0.030
AUG									
08...	1030	3.0	--	2	0.860	0.070	0.42	0.49	0.030
SEP									
12...	0920	2.0	189	7	--	0.150	0.45	0.60	0.040

07060590 MILL CREEK NEAR MELBOURNE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	0930	0.010	<1	<1	--	<1	<0.50	50	1.6
NOV									
08...	0950	<0.010	<1	4	<15	<1	--	--	2.0
DEC									
13...	0855	<0.010	<1	3	<15	3	--	20	1.8
FEB									
07...	1045	0.010	<1	<1	<15	<1	--	20	4.6
MAR									
14...	0930	0.010	<1	1	<15	1	--	10	4.2
APR									
11...	0915	0.010	<1	<1	25	<1	--	10	3.8
MAY									
09...	0915	0.050	<1	<1	<15	10	--	50	8.7
JUN									
27...	1000	<0.010	<1	<1	37	1	--	30	3.3
JUL									
11...	0935	<0.030	<1	2	<15	1	--	20	4.6
AUG									
08...	1030	<0.030	<1	<1	<15	<2	--	20	3.2
SEP									
12...	0920	0.030	<1	<1	<15	<2	<0.40	90	4.2

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 35°59'30", long 92°12'50", in ¼NW¼ sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, on right bank 30 ft upstream from bridge on Ozark National Forest service road, 200 ft downstream from Gunner Creek, 2.7 mi north of Fifty Six, and 7.0 mi upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1965 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 434.99 ft above National Geodetic Vertical datum of 1929.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--23 years, 46.6 ft³/s, 10.89 in/yr, 33,760 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft³/s Dec. 3, 1982, gage height, 20.60 ft, from rating curve extended above 3,700 ft³/s on basis of step-backwater computations; minimum, 1.6 ft³/s Nov. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 15	0230	4,640	9.95	May 08	2000	*9,280	*13.32

Minimum discharge, 3.7 ft³/s Oct. 11-16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	5.0	29	38	55	45	108	17	22	13	8.9	7.1
2	21	4.8	24	33	79	42	92	16	22	12	8.0	7.1
3	9.8	5.0	22	30	341	40	85	15	20	11	7.4	6.6
4	6.5	5.7	18	26	143	45	195	16	25	11	7.1	5.6
5	5.1	5.2	16	25	93	110	142	17	44	10	6.9	5.2
6	4.6	5.5	16	28	71	93	109	15	33	9.7	6.6	5.0
7	4.3	5.5	16	31	56	78	87	14	24	9.3	6.5	5.0
8	4.1	5.2	17	37	48	86	73	1470	27	8.9	6.0	4.8
9	4.1	5.5	16	33	44	92	61	846	25	8.5	5.7	6.0
10	3.9	e5.2	15	29	41	102	51	170	20	8.1	5.7	8.2
11	3.7	e5.0	14	26	37	100	45	96	46	8.0	5.7	7.9
12	3.7	4.7	14	25	38	84	43	64	230	7.5	5.5	13
13	3.7	6.2	13	21	1060	72	40	46	98	7.5	5.2	12
14	3.7	4.8	13	20	717	64	38	37	68	8.1	5.2	10
15	3.7	4.3	12	20	e3100	54	36	30	51	9.5	5.2	9.1
16	4.3	8.3	12	19	e750	46	33	26	38	9.4	5.2	7.9
17	4.5	10	11	18	e180	43	32	49	29	9.1	5.2	7.0
18	4.4	65	11	17	e190	43	29	75	24	17	5.3	6.3
19	4.1	520	11	17	e170	37	27	53	21	20	5.4	6.0
20	4.1	323	12	16	e170	40	24	39	19	14	5.9	5.5
21	4.3	78	11	15	e250	48	23	31	17	12	6.0	5.5
22	4.4	e50	11	14	161	46	22	56	15	11	5.6	5.3
23	5.3	e35	13	14	114	44	20	67	14	9.6	5.2	5.2
24	6.7	e30	14	14	90	42	20	48	13	11	5.1	5.0
25	6.0	e25	14	17	75	40	18	35	13	20	5.5	5.0
26	5.1	e170	13	182	66	38	18	52	13	18	5.9	5.0
27	4.8	e130	41	114	59	36	17	75	14	15	5.5	5.0
28	4.8	e85	168	79	52	81	17	57	13	12	5.2	5.0
29	4.8	51	91	107	---	144	17	41	13	9.7	5.9	5.2
30	4.8	34	63	92	---	140	18	31	16	9.1	15	8.6
31	4.8	---	46	70	---	129	---	25	---	9.4	9.4	---
TOTAL	194.1	1691.9	797	1227	8250	2104	1540	3629	1027	348.4	196.9	200.1
MEAN	6.26	56.4	25.7	39.6	295	67.9	51.3	117	34.2	11.2	6.35	6.67
MAX	35	520	168	182	3100	144	195	1470	230	20	15	13
MIN	3.7	4.3	11	14	37	36	17	14	13	7.5	5.1	4.8
AC-FT	385	3360	1580	2430	16360	4170	3050	7200	2040	691	391	397
CFSM	.11	.97	.44	.68	5.07	1.17	.88	2.01	.59	.19	.11	.11
IN.	.12	1.08	.51	.79	5.28	1.35	.99	2.32	.66	.22	.13	.13

CAL YR 1988 TOTAL 12044.0 MEAN 32.9 MAX 700 MIN 3.2 AC-FT 23890 CFSM .57 IN. 7.71
WTR YR 1989 TOTAL 21205.4 MEAN 58.1 MAX 3100 MIN 3.7 AC-FT 42060 CFSM 1.00 IN. 13.58

e Estimated

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, ARK.--CONTINUED
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 19.	1235	80513	80020	4.1	289	7.8	14.0	0.90	9.2	90	759
DEC 07.	1115	80513	80020	15	256	8.0	8.5	1.1	9.6	82	764
MAR 01.	1110	80513	80020	46	247	7.3	7.5	1.1	11.1	93	759
APR 19.	1140	80513	80020	22	265	8.2	14.0	1.1	10.1	99	758
JUN 14.	1100	80513	80020	118	242	8.3	16.0	0.40	9.4	96	753
AUG 30.	1245	80513	80020	16	273	8.0	24.0	0.20	7.9	95	754

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
OCT 19.	1235	8	54	150	47	7.6	2.4	3	0.1	0.30	144
DEC 07.	1115	3	17	140	46	6.0	2.2	3	0.1	0.30	133
MAR 01.	1110	3	7	130	42	4.9	2.0	3	0.1	0.20	100
APR 19.	1140	2	740	140	49	5.3	1.9	3	0.1	0.40	140
JUN 14.	1100	21	240	120	41	4.9	1.8	--	0.1	<0.10	131
AUG 30.	1245	K11	260	140	45	6.1	2.1	3	0.1	0.20	135

DATE	TIME	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 19.	1235	0	181	148	2.0	5.1	0.10	7.3	167	161	0.23
DEC 07.	1115	0	162	133	1.8	7.2	0.10	7.0	151	151	0.21
MAR 01.	1110	0	123	101	1.3	7.1	0.10	7.0	124	125	0.17
APR 19.	1140	0	171	140	1.7	6.0	0.10	7.7	153	156	0.21
JUN 14.	1100	0	161	132	1.0	5.0	0.10	7.7	136	--	--
AUG 30.	1245	0	165	135	2.0	4.0	0.10	9.0	149	150	0.20

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
OCT 19.	1235	1.85	<0.010	<0.100	<0.010	<0.010	--	<0.20	0.010	0.010	--
DEC 07.	1115	5.91	<0.010	0.180	<0.010	<0.010	--	0.20	<0.010	<0.010	20
MAR 01.	1110	15.4	<0.010	<0.100	<0.010	<0.010	--	0.20	<0.010	<0.010	20
APR 19.	1140	9.09	<0.010	<0.100	0.010	0.010	0.19	0.20	<0.010	<0.010	10
JUN 14.	1100	--	<0.010	<0.100	0.020	<0.010	0.28	0.30	0.140	<0.010	--
AUG 30.	1245	6.44	<0.010	<0.100	<0.010	<0.010	--	<0.20	<0.010	<0.010	<10

DATE	TIME	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
DEC 07.	1115	<1	200	<0.5	1	<3	6	13	<5	<4	1
MAR 01.	1110	<1	130	<0.5	<1	<3	1	15	<5	5	4
APR 19.	1140	<1	96	<0.5	<1	<3	3	13	<5	<4	4
AUG 30.	1245	<1	130	<0.5	<1	<3	1	16	<1	<4	5

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)
OCT 19.	1235	--	--	--	--	--	--	--	<0.4	<0.4
DEC 07.	1115	<10	2	<1	<1.0	37	<6	69	--	--
MAR 01.	1110	<10	2	<1	<1.0	35	<6	43	--	--
APR 19.	1140	<10	3	<1	<1.0	38	<6	23	--	--
AUG 30.	1245	<10	1	<1	<1.0	41	<6	96	--	--

DATE	TIME	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 19.	1235	1.2	<0.4	0.9	<0.4	0.03	0.04	24	0.27	52
DEC 07.	1115	--	--	--	--	--	--	10	0.39	61
MAR 01.	1110	--	--	--	--	--	--	8	0.99	57
APR 19.	1140	--	--	--	--	--	--	22	1.3	29
JUN 14.	1100	--	--	--	--	--	--	3	0.96	50
AUG 30.	1245	--	--	--	--	--	--	3	0.13	67

07061000 WHITE RIVER AT BATESVILLE, ARK

LOCATION.--Lat 35°45'35", long 91°38'28", in NE¼NW¼ sec.21, T.13 N., R.6 W., Independence County, Hydrologic Unit 11010004, at bridge on U.S. Highway 167 in Batesville.

DRAINAGE AREA.--11,070 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to September 1958, October 1986 to current year. Gage-height records collected at lower lock gage since 1904 are published in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 237.72 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 28, 1939, staff gage on upper lock wall of dam no. 1, 0.3 mi downstream at same datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

AVERAGE DISCHARGE.--24 years (water years 1937-58, 1986-89), 12,330 ft³/s, 8,933,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 324,000 ft³/s Apr. 16, 1945, gage height, 29.43 ft; minimum, 580 ft³/s Sept. 28, 1954; minimum daily, 592 ft³/s Sept. 28, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 31.1 ft, Feb. 1, 1916, at former site, observed by U.S. Army Corps of Engineers (discharge, 382,000 ft³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 132,000 ft³/s Feb. 15, gage height, 19.73 ft; minimum, 1,310 ft³/s Sept. 23, gage height, 6.47 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5350	10700	12800	12400	14100	16000	30600	9030	12200	15100	4650	5660
2	3880	7040	10600	8620	12400	16500	28800	13000	9270	9250	5000	9590
3	2290	7110	9960	8470	30700	18800	29100	18800	6400	4200	4800	3350
4	1750	3520	11300	9120	37500	22000	35600	19500	5760	4640	12100	3390
5	1720	2130	9710	15800	25500	30700	27000	17800	6070	6030	12100	4220
6	2130	2980	8350	17800	17600	16300	23700	13500	8900	6610	8210	3100
7	1990	3300	10300	18300	18300	16900	22800	7530	10800	12300	3980	2510
8	3000	3240	11200	11400	19800	16900	23300	5090	10500	12600	4440	7550
9	2750	4530	12200	9960	20600	20700	24600	36900	7300	11300	2600	10900
10	2490	3660	13800	22200	25100	22600	25600	21900	7450	9880	2350	7090
11	3930	3210	10700	14600	17200	23100	27700	12100	5900	11700	2480	2780
12	4790	9810	6380	8340	10800	24500	31200	11000	7100	14000	6040	2850
13	2490	8740	3360	6580	13800	25400	30700	8900	9830	13500	4180	3450
14	4820	4130	4600	5180	58900	23800	31700	6120	11000	17000	3180	2980
15	4260	2050	5850	6110	111000	23800	33700	4380	9750	11100	3140	4090
16	4320	6950	9490	8060	94300	23400	34900	6820	9220	6450	6760	3440
17	2370	7500	16600	7610	54800	25300	36300	7400	8800	2870	5150	3070
18	2680	7630	10700	6410	33000	26800	34700	6160	10400	3170	2290	3140
19	8570	17900	6070	5760	25300	28400	35600	4630	13500	4430	2570	3730
20	9190	25600	5160	6700	23200	29800	37000	5760	15100	3540	4990	5540
21	9460	18700	4800	6710	26500	33700	37200	5430	20000	3210	2800	2160
22	10000	13200	4800	8850	24800	29400	36000	7400	11300	3170	3830	1680
23	7260	10400	3960	5130	22000	29800	31800	9380	9250	2760	10200	1580
24	3780	8020	3980	4180	18500	36100	28800	15500	6090	2490	9360	1950
25	3740	5630	3590	8690	15900	35800	22700	20700	7270	4280	5350	1940
26	6510	12200	3490	9830	15100	36200	26900	16800	9700	8290	2710	2250
27	7410	19300	4100	12600	15800	35900	21100	13800	12100	7750	5100	2780
28	11800	17200	8800	16400	16600	35700	23900	13900	9780	10200	11400	4050
29	12200	14000	11400	16000	---	40100	24900	13400	11500	11100	7570	2770
30	7740	11400	13800	16000	---	37700	14700	11400	15100	9100	6340	6110
31	7470	---	15900	19000	---	33600	---	11100	---	7930	2760	---
TOTAL	162140	271780	267750	332810	819100	835700	872600	375130	297340	249950	168430	119700
MEAN	5230	9059	8637	10740	29250	26960	29090	12100	9911	8063	5433	3990
MAX	12200	25600	16600	22200	111000	40100	37200	36900	20000	17000	12100	10900
MIN	1720	2050	3360	4180	10800	16000	14700	4380	5760	2490	2290	1580
AC-FT	321600	539100	531100	660100	1625000	1658000	1731000	744100	589800	495800	334100	237400

CAL YR 1988 TOTAL 4906600 MEAN 13410 MAX 43300 MIN 1600 AC-FT 9732000
WTR YR 1989 TOTAL 4772430 MEAN 13080 MAX 111000 MIN 1580 AC-FT 9466000

07061105 WHITE RIVER AT OIL TROUGH, ARK.

LOCATION.--Lat 35°38'36", long 92°27'42", in NW ¼ NE ¼ sec.30, T.12 N., R.4 W., Independence County, Hydrologic Unit 11010004, at Oil Trough Ferry on State Highway 122, and 0.8 mi north of Oil Trough.

DRAINAGE AREA.--11,234 mi^2.

PERIOD OF RECORD.--April 1974 to September 1983, October 1984 to September 1985.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 11.	1430	9827	9827	8.1	18.0	3.0	10.8	0.8	7.0
NOV 08.	1330	9827	9827	6.7	14.5	2.0	11.6	1.2	4.5
DEC 13.	1600	9827	9827	7.3	10.0	15	10.7	0.8	4.0
FEB 07.	1330	9827	9827	7.8	4.0	20	13.0	0.9	3.0
MAR 14.	1415	9827	9827	6.6	12.0	6.5	--	1.0	3.5
APR 11.	1500	9827	9827	8.2	10.0	5.0	11.9	1.1	4.0
MAY 09.	1545	9827	9827	8.0	18.0	180	9.8	3.0	3.1
JUN 27.	1445	9827	9827	8.2	21.5	7.5	9.3	1.1	4.0
JUL 11.	1600	9827	9827	8.3	22.5	3.4	10.1	1.0	6.4
AUG 08.	0845	9827	9827	8.1	20.0	3.5	8.9	1.0	4.4
SEP 12.	1445	9827	9827	8.2	20.0	2.5	9.5	4.5	4.6

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1430	7.0	179	5	0.130	0.030	0.030	0.020
NOV 08.	1330	9.0	179	2	0.290	0.050	0.050	<0.010
DEC 13.	1600	7.0	165	9	0.330	0.020	0.050	0.030
FEB 07.	1330	--	127	43	0.330	0.030	0.090	0.030
MAR 14.	1415	9.0	147	11	0.250	0.170	0.020	0.020
APR 11.	1500	10	155	9	0.180	<0.010	0.060	0.020
MAY 09.	1545	9.0	134	251	0.210	0.150	0.450	0.050
JUN 27.	1445	7.0	153	10	0.220	0.080	0.040	<0.010
JUL 11.	1600	9.0	160	6	0.200	<0.050	0.040	0.030
AUG 08.	0845	9.0	--	6	0.240	<0.050	0.040	<0.020
SEP 12.	1445	5.0	171	5	--	<0.050	0.050	0.050

07061105 WHITE RIVER AT OIL TROUGH, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1430	<1	<1	--	<1	<0.50	10	2.1
NOV								
08.	1330	<1	1	16	2	--	--	2.3
DEC								
13.	1[illegible]0	<1	3	19	4	--	10	2.6
FEB								
07.	1330	<1	<1	<15	<1	--	10	4.8
MAR								
14.	1415	<1	3	<15	1	--	30	4.8
APR								
11.	1500	<1	<1	<15	1	--	10	4.5
MAY								
09.	1545	<1	2	<15	11	--	100	6.8
JUN								
27.	1445	<1	<1	<15	4	--	40	4.6
JUL								
11.	1600	<1	1	<15	1	--	20	4.7
AUG								
08.	0845	1	<1	<15	<2	--	30	5.8
SEP								
12.	1445	<1	<1	23	<2	<0.40	<10	3.9

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.

LOCATION.--Lat 37°08'12", long 90°46'23", in NW ¼ sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at log boom at dam on Black River, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi^2.

PERIOD OF RECORD.--October 1976 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
17...	1315	80513	80020	0.0	275	8.1	18.0	9.7	0.98
17...	1316	80513	80020	10.0	277	8.1	17.0	9.0	--
17...	1318	80513	80020	20.0	276	8.0	17.0	8.6	--
17...	1320	80513	80020	30.0	273	7.8	16.5	7.1	--
17...	1322	80513	80020	33.0	273	7.8	16.5	6.7	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
15...	0800	80513	80020	0.0	288	8.2	12.0	10.4	1.50
15...	0801	80513	80020	10.0	286	8.3	11.5	10.2	--
15...	0802	80513	80020	20.0	288	8.3	11.5	10.2	--
15...	0803	80513	80020	30.0	288	8.3	11.5	10.2	--
15...	0804	80513	80020	32.0	289	8.3	11.5	9.8	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
12...	1530	80513	80020	0.0	231	7.8	6.0	12.4	0.94
12...	1531	80513	80020	10.0	232	8.0	6.0	12.1	--
12...	1532	80513	80020	20.0	232	8.0	6.0	11.8	--
12...	1533	80513	80020	30.0	233	8.0	6.0	11.8	--
12...	1534	80513	80020	31.0	233	8.1	6.0	11.7	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
17.	1330	80513	80020	0.0	204	7.7	5.5	13.1	1.40
17.	1331	80513	80020	3.00	204	7.8	5.5	12.5	--
17.	1332	80513	81213	7.00	203	7.8	5.0	12.4	--
17.	1333	80513	80020	10.0	204	7.8	5.0	12.2	--
17.	1334	80513	80020	20.0	204	7.8	5.0	12.2	--
17.	1335	80513	81213	25.0	204	7.8	5.0	11.0	--
17.	1336	80513	80020	30.0	204	7.8	5.0	11.0	--
17.	1337	80513	80020	32.0	206	7.8	5.0	10.8	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN								
17.	1330	0	--	--	--	--	--	--
17.	1332	--	<5	2.0	2.0	99	20	12
17.	1335	--	<5	1.7	2.2	99	20	12

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
17.	1331	--	0.180	<0.020	<0.010	--	0.300	<0.100
17.	1332	100	0.180	<0.020	<0.010	<5	--	--
17.	1335	92	0.180	<0.020	<0.010	<5	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
14...	0730	80513	80020	0.0	182	8.0	3.0	12.9	0.91
14...	0731	80513	80020	10.0	182	8.1	3.0	12.8	--
14...	0732	80513	80020	20.0	182	8.1	3.0	12.6	--
14...	0733	80513	80020	30.0	181	8.1	3.0	12.2	--
14...	0734	80513	80020	37.0	181	8.1	3.0	12.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
13...	1435	80513	80020	0.0	187	7.8	12.0	11.5	0.91
13...	1436	80513	80020	2.00	188	8.0	10.5	11.5	--
13...	1437	80513	80020	5.00	188	8.0	9.5	11.5	--
13...	1438	80513	80020	10.0	187	7.9	9.0	11.3	--
13...	1439	80513	80020	20.0	183	7.9	7.0	11.4	--
13...	1440	80513	80020	30.0	179	7.8	6.5	11.4	--
13...	1441	80513	80020	35.0	178	7.8	6.0	11.3	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR									
10...	1445	80513	80020	0.0	165	7.6	12.0	10.2	2.10
10...	1446	80513	80020	10.0	165	7.6	12.0	9.9	--
10...	1447	80513	80020	20.0	164	7.6	12.0	9.8	--
10...	1448	80513	80020	30.0	163	7.7	12.0	9.7	--
10...	1449	80513	80020	40.0	165	7.7	11.5	9.5	--
10...	1450	80513	80020	41.0	165	7.7	11.5	9.5	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
MAY											
16...	1030	80513	80020	0.0	223	8.4	19.0	10.5	--	--	--
16...	1031	80513	80020	3.00	223	8.4	19.0	10.3	--	--	--
16...	1032	80513	81213	7.00	223	8.4	19.0	10.2	<5	1.2	1.8
16...	1033	80513	80020	10.0	224	8.4	19.0	10.1	--	--	--
16...	1034	80513	80020	18.0	224	8.3	18.5	9.2	--	--	--
16...	1035	80513	80020	20.0	229	8.2	17.5	9.1	--	--	--
16...	1036	80513	81213	29.0	234	7.9	17.0	7.3	<5	2.2	1.8
16...	1037	80513	80020	30.0	236	7.8	16.5	6.2	--	--	--
16...	1038	80513	80020	32.0	238	7.5	15.0	4.5	--	--	--
16...	1039	80513	80020	36.0	238	7.5	14.5	3.1	--	--	--

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY											
16...	1031	--	--	--	--	0.070	<0.020	0.010	--	2.70	<0.100
16...	1032	110	24	13	90	0.070	<0.020	0.010	<5	--	--
16...	1036	110	24	13	90	0.080	<0.020	0.010	<5	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUN									
05...	1545	80513	80020	0.0	235	8.2	25.5	8.8	2.80
05...	1546	80513	80020	10.0	236	8.2	25.0	8.6	--
05...	1547	80513	80020	19.0	237	8.1	24.0	7.7	--
05...	1548	80513	80020	20.0	241	7.7	22.5	6.4	--
05...	1549	80513	80020	24.0	242	7.5	21.5	5.1	--
05...	1550	80513	80020	26.0	243	7.3	20.5	3.8	--
05...	1551	80513	80020	30.0	244	7.3	20.0	3.1	--
05...	1552	80513	80020	32.0	239	7.2	18.5	2.1	--
05...	1553	80513	80020	33.0	234	7.2	17.0	1.0	--
05...	1554	80513	80020	38.0	215	7.1	15.5	0.4	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUL									
11...	1425	80513	80020	0.0	233	8.1	32.0	8.0	2.20
11...	1426	80513	80020	6.00	233	8.2	30.5	8.4	--
11...	1427	80513	80020	8.00	231	8.2	29.5	8.6	--
11...	1428	80513	80020	10.0	236	8.1	29.0	9.4	--
11...	1429	80513	80020	13.0	238	7.9	27.5	8.6	--
11...	1430	80513	80020	15.0	240	7.6	26.5	6.5	--
11...	1431	80513	80020	17.0	241	7.3	25.5	3.9	--
11...	1432	80513	80020	19.0	239	7.1	24.5	2.1	--
11...	1433	80513	80020	20.0	238	7.0	24.5	1.5	--
11...	1434	80513	80020	25.0	232	7.0	23.5	0.3	--
11...	1435	80513	80020	27.0	230	7.0	22.5	0.2	--
11...	1436	80513	80020	30.0	228	6.9	21.0	0.2	--
11...	1437	80513	80020	33.0	237	7.0	20.0	0.2	--
11...	1438	80513	80020	36.0	221	7.0	19.0	0.2	--
11...	1439	80513	80020	37.0	219	7.0	18.5	0.2	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG								
17...	1325	80513	80020	0.0	240	8.1	28.0	8.1
17...	1326	80513	80020	3.00	241	8.1	27.5	8.0
17...	1327	80513	81213	8.00	241	8.1	27.0	8.0
17...	1328	80513	80020	10.0	241	8.2	27.0	8.1
17...	1329	80513	80020	20.0	251	7.6	26.0	3.0
17...	1330	80513	80020	23.0	258	7.3	25.0	2.3
17...	1331	80513	81213	30.0	261	7.2	24.0	0.3
17...	1332	80513	80020	31.0	265	7.2	23.0	0.1
17...	1333	80513	80020	33.0	267	7.2	22.0	0.1
17...	1334	80513	80020	34.0	249	7.2	20.0	0.1
17...	1335	80513	80020	35.0	239	7.3	19.0	0.1
17...	1336	80513	80020	37.0	238	7.3	18.0	0.1

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
AUG								
17...	1325	2.70	--	--	--	--	--	--
17...	1327	--	<5	0.91	0.9	130	26	15
17...	1331	--	5	15	1.3	130	27	16

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
17...	1326	--	<0.020	<0.020	0.010	<1	1.60	0.200
17...	1327	110	<0.020	<0.020	<0.010	1	--	--
17...	1331	124	<0.020	0.020	0.010	--	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP								
13...	0710	80513	80020	0.0	274	8.0	25.0	8.2
13...	0711	80513	80020	10.0	274	7.9	25.0	7.4
13...	0712	80513	80020	20.0	274	7.9	25.0	7.3
13...	0713	80513	80020	29.0	286	7.4	24.0	2.3
13...	0714	80513	80020	30.0	289	7.4	23.5	1.8
13...	0715	80513	80020	33.0	290	7.3	22.5	0.5
13...	0716	80513	80020	34.0	290	7.3	20.5	0.3
13...	0717	80513	80020	35.0	285	7.3	19.5	0.3
13...	0718	80513	80020	36.0	282	7.3	18.5	0.2

07062010 BLACK RIVER AT CLEARWATER DAM, MO.

LOCATION.--Lat 37°07'55", long 90°46'05", in NW ¼ sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at Clearwater Dam, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi².

PERIOD OF RECORD.--October 1978 to current year.

REMARKS.--Flow completely regulated by Clearwater Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)
OCT										
17...	1300	80513	80020	277	8.1	18.0	10.5	--	--	--
NOV										
15...	0730	80513	80020	303	7.6	12.5	10.1	--	--	--
DEC										
12...	1600	80513	80020	245	7.5	6.5	13.0	--	--	--
JAN										
17...	1400	80513	81213	204	7.8	5.0	11.4	0	<5	0.70
FEB										
14...	0705	80513	80020	197	7.7	4.0	13.5	--	--	--
MAR										
13...	1500	80513	80020	186	7.9	8.5	12.7	--	--	--
APR										
10...	1515	80513	80020	186	7.6	12.0	11.7	--	--	--
MAY										
16...	1015	80513	81213	231	8.2	17.0	10.5	K400	<5	1.6
JUN										
05...	1515	80513	80020	245	7.8	24.0	8.3	--	--	--
JUL										
11...	1500	80513	80020	239	7.4	24.0	8.4	--	--	--
AUG										
17...	1300	80513	81213	248	7.6	26.5	8.1	K440	<5	4.0
SEP										
13...	0845	80513	80020	274	7.9	24.5	8.8	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
JAN										
17...	1400	1.9	100	22	12	104	0.190	<0.020	<0.010	<5
MAY										
16...	1015	1.9	120	25	13	132	0.140	0.020	0.010	<5
AUG										
17...	1300	1.2	130	27	16	118	0.080	0.030	0.020	<1

07064000 BLACK RIVER NEAR CORNING, AR

LOCATION.--Lat 36°24'07", long 90°32'29", in SW¼NE¼ sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi east of Corning, 11.9 mi downstream from Cane Creek, and at mile 152.2.

DRAINAGE AREA.--1,749 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected January 1925 to December 1929 at site 7.0 mi downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft above mean Gulf level (U.S. Army Corps of Engineers bench mark). Prior to Nov. 5, 1953, nonrecording gage, and Nov. 5, 1953, to Oct. 9, 1957, water-stage recorder, at site 30 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--51 years, 1,834 ft^3/s, 1,329,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft^3/s June 13, 1945; maximum gage height, 16.92 ft June 13, 1945; minimum discharge, 224 ft^3/s Sept. 22-27, 1941; minimum gage height observed, -0.52 ft Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 18, 1927, reached a stage of 14.4 ft, from records of U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 17,500 ft^3/s Feb. 17, gage height, 14.01 ft; minimum, 461 ft^3/s Oct. 20, gage height, 2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	748	501	4400	2120	2280	4400	4210	1630	949	2300	775	1240
2	1460	490	3830	2110	2100	4380	5120	1550	911	2300	815	1160
3	1880	484	3460	2160	2450	4330	4930	1350	862	2240	764	1040
4	1870	486	3210	2210	4170	4500	4920	1180	843	2100	679	921
5	1550	505	3030	2260	7190	6340	6050	1070	994	1920	623	841
6	1210	532	2880	2400	8180	9140	6700	1010	1270	1690	601	794
7	1160	534	2710	2750	7470	8950	6320	964	1400	1420	594	764
8	1120	521	2550	2990	5730	7980	5460	923	1360	1150	591	723
9	1010	503	2310	3020	5060	7110	4740	909	1210	971	589	667
10	878	516	2030	2930	5050	6240	4270	915	1060	857	573	680
11	752	572	1680	2780	4410	5410	4020	889	1000	784	568	874
12	672	605	1370	2770	3590	4680	3900	855	1510	732	567	904
13	629	602	1150	2770	3810	4020	3840	827	2530	695	559	828
14	602	609	1030	2810	5850	3500	3820	807	3840	676	551	830
15	573	610	960	2850	11400	3170	3840	793	5250	676	548	1140
16	552	615	897	2830	15500	2920	3710	777	5450	657	538	1450
17	519	850	852	2700	17300	2770	3440	776	4810	654	530	1430
18	501	992	819	2470	15900	2760	3140	792	4050	686	526	1240
19	475	1640	798	2200	12200	2810	2880	828	3490	707	569	1070
20	465	2990	779	1940	9690	2810	2670	831	3250	701	695	976
21	510	5030	764	1680	8870	2720	2480	795	3110	664	887	910
22	550	6810	747	1460	8410	2570	2250	813	2970	644	861	872
23	551	6450	733	1310	7440	2390	2010	961	2780	645	744	855
24	536	5470	726	1220	6100	2210	1780	1060	2620	631	683	828
25	526	4480	741	1160	5190	2050	1610	1100	2480	634	750	803
26	526	3930	766	1440	4690	1900	1480	1130	2390	635	1100	769
27	527	3980	800	2220	4480	1790	1390	1120	2340	664	1090	744
28	538	4850	1030	2580	4420	1690	1290	1140	2300	718	1060	717
29	532	5230	1710	2630	---	1600	1270	1090	2280	743	1020	657
30	524	4970	2070	2570	---	1860	1510	1030	2270	748	957	612
31	513	---	2150	2460	---	2700	---	983	---	742	1020	---
TOTAL	24479	66357	52982	71800	198930	121700	105050	30898	71579	31384	22427	27339
MEAN	790	2212	1709	2316	7105	3926	3502	997	2386	1012	723	911
MAX	1880	6810	4400	3020	17300	9140	6700	1630	5450	2300	1100	1450
MIN	465	484	726	1160	2100	1600	1270	776	843	631	526	612
AC-FT	48550	131600	105100	142400	394600	241400	208400	61290	142000	62250	44480	54230

CAL YR 1988 TOTAL 595440 MEAN 1627 MAX 6810 MIN 335 AC-FT 1181000
WTR YR 1989 TOTAL 824925 MEAN 2260 MAX 17300 MIN 465 AC-FT 1636000

07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.

LOCATION.--Lat 36°17'55", long 90°51'30", in SE ¼ SE ¼ sec.10, T.19 N., R.2 E., Randolph County, Hydrologic Unit 11010008, at bridge on U.S. Highway 67, 5.5 mi northeast of Pocahontas.

DRAINAGE AREA.--2,606 mi^2.

PERIOD OF RECORD.--Water years 1955-58, October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 11.	1145	9827	9827	1720	8.1	17.0	4.0	9.5	0.5
NOV 15.	1050	9827	9827	2280	--	13.0	3.4	10.3	0.6
DEC 13.	1115	9827	9827	2460	6.8	8.0	7.0	11.7	0.4
JAN 24.	1110	9827	9827	2480	8.2	9.0	6.0	--	0.2
FEB 07.	1025	9827	9827	5240	7.2	2.0	20	12.0	0.9
MAR 14.	1035	9827	9827	5810	7.1	13.0	10	10.0	1.1
APR 11.	1030	9827	9827	4810	7.9	12.0	6.5	10.3	1.1
MAY 09.	1000	9827	9827	2880	8.0	18.0	7.0	8.8	0.7
JUN 13.	1045	9827	9827	6050	7.8	23.0	160	7.5	2.2
JUL 11.	1045	9827	9827	2280	8.0	29.0	7.0	8.4	1.5
AUG 08.	1000	9827	9827	1820	8.2	25.0	5.5	--	1.7
SEP 26.	0945	9827	9827	1620	8.3	18.0	3.0	--	0.7

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1145	2.5	2.0	187	8	0.160	0.310	0.040	0.020
NOV 15.	1050	3.0	1.0	177	4	0.160	0.020	0.020	0.020
DEC 13.	1115	2.0	6.0	148	7	0.340	0.010	0.020	0.010
JAN 24.	1110	2.0	5.0	150	6	--	--	0.030	0.020
FEB 07.	1025	2.0	5.0	97	--	--	0.080	0.080	0.040
MAR 14.	1035	2.0	6.0	122	14	--	0.040	0.040	0.020
APR 11.	1030	2.5	6.0	128	9	0.160	0.100	0.040	0.050
MAY 09.	1000	2.5	6.0	159	13	0.200	0.040	0.080	0.030
JUN 13.	1045	4.3	6.0	136	116	0.320	<0.010	--	0.100
JUL 11.	1045	2.8	4.0	169	13	0.090	0.050	<0.030	0.030
AUG 08.	1000	3.5	10	171	13	0.120	<0.050	0.050	<0.030
SEP 26.	0945	3.6	3.0	--	5	0.130	<0.050	0.030	0.030

07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 11.	1145	<1	--	<15	<1	<0.50	--	9.7
NOV 15.	1050	<1	2	16	11	--	10	3.1
DEC 13.	1115	<1	5	<15	--	--	--	4.2
JAN 24.	1110	<1	<1	<15	1	--	20	3.9
FEB 07.	1025	--	--	--	--	--	--	6.3
MAR 14.	1035	<1	2	1	<15	1.0	20	3.6
APR 11.	1030	<1	2	<15	1	--	--	4.5
MAY 09.	1000	<1	<1	<15	--	--	--	4.4
JUN 13.	1045	<1	1	70	--	--	50	3.1
JUL 11.	1045	<1	2	38	3	--	--	4.2
AUG 08.	1000	--	<1	<15	<2	--	<10	3.6
SEP 26.	0945	<1	3	<15	2	<0.40	<10	3.8

07069000 BLACK RIVER AT POCAHONTAS, ARK.

LOCATION.--Lat 36°15'14", long 90°58'12", in SW ¼ SW ¼ sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at gaging station near bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 1.6 mi downstream from Fourche Creek, 6.1 mi downstream from Current River, 18.1 mi upstream from Spring River, and at mile 90.1.

DRAINAGE AREA.--4,845 mi².

PERIOD OF RECORD.--October 1965 to September 1966, October 1977 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 11.	1210	9827	9827	2530	8.1	17.0	15	8.9	0.7
NOV 15.	1120	9827	9827	2070	--	14.0	5.8	9.7	0.7
DEC 13.	1145	9827	9827	5310	7.7	6.0	15	11.2	0.7
JAN 24.	1135	9827	9827	5100	8.1	8.0	20	11.1	0.5
FEB 07.	1050	9827	9827	13800	7.6	3.0	30	--	1.1
MAR 14.	1115	9827	9827	14700	7.2	12.0	40	9.3	1.0
APR 11.	1050	9827	9827	13200	7.8	11.0	25	8.8	0.9
MAY 09.	1025	9827	9827	3910	8.0	19.0	25	8.4	1.7
JUN 13.	1115	9827	9827	8010	7.9	23.0	140	6.5	1.6
JUL 11.	1115	9827	9827	2660	8.0	29.0	6.2	7.1	1.2
AUG 08.	1030	9827	9827	2070	8.3	26.0	15	--	1.6
SEP 26.	1030	9827	9827	2080	8.3	18.0	9.5	--	0.7

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1210	2.5	4.0	168	25	0.130	0.030	0.070	0.040
NOV 15.	1120	3.5	6.0	--	11	0.100	0.030	0.030	0.030
DEC 13.	1145	2.5	10	131	13	0.170	0.030	0.050	0.030
JAN 24.	1135	3.0	8.0	133	14	--	--	0.050	0.040
FEB 07.	1050	1.5	5.0	113	--	--	0.050	0.080	0.050
MAR 14.	1115	1.5	6.0	114	15	--	0.350	0.050	0.060
APR 11.	1050	2.0	7.0	113	12	0.110	0.040	0.080	0.050
MAY 09.	1025	2.9	6.0	159	36	0.190	0.070	0.090	0.030
JUN 13.	1115	4.0	5.0	128	116	0.310	<0.010	--	0.050
JUL 11.	1115	5.1	5.0	156	47	0.090	<0.050	0.050	0.060
AUG 08.	1030	3.4	7.0	172	28	0.140	<0.050	0.060	<0.030
SEP 26.	1030	3.4	4.0	--	20	0.110	<0.050	0.040	<0.030

07069000 BLACK RIVER AT POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1210	<1	--	<15	1	<0.50	--	4.8
NOV								
15.	1120	<1	<1	<15	1	--	10	3.9
DEC								
13.	1145	<1	<1	<15	--	--	20	9.9
JAN								
24.	1135	<1	<1	<15	2	--	10	5.0
FEB								
07.	1050	--	<1	<15	<1	--	--	5.7
MAR								
14.	1115	<1	1	42	2	--	50	3.8
APR								
11.	1050	<1	1	17	1	--	--	11
MAY								
09.	1025	<1	1	<15	--	--	--	5.2
JUN								
13.	1115	<1	2	27	--	--	10	3.6
JUL								
11.	1115	<1	<1	<15	2	--	--	4.9
AUG								
08.	1030	--	<1	<15	<2	--	<10	4.4
SEP								
26.	1030	<1	<1	15	<2	<0.40	<10	4.0

07069200 MAMMOTH SPRING AT MAMMOTH SPRING, AR

LOCATION.--Lat 36°29'53", long 91°32'08", in SE¼SW¼ sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--8 years, 360 ft^3/s, 260,800 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 689 ft^3/s Dec. 3, 1982, gage height, 5.10 ft; minimum, 182 ft^3/s Dec. 17-21, 28-31, 1981, Jan. 1-2, 1982, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 579 ft^3/s Feb. 15, 16, gage height, 4.90 ft; minimum, 259 ft^3/s Nov. 1, gage height, 4.07 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	262	468	393	420	547	507	467	472	412	361	313
2	284	264	468	395	427	540	503	462	472	411	361	312
3	286	267	467	399	522	539	503	460	472	408	361	310
4	286	268	461	401	525	535	503	460	469	405	361	307
5	286	270	457	401	525	535	503	460	468	404	355	305
6	286	273	453	411	525	535	503	460	468	401	351	304
7	286	276	448	417	525	532	503	460	468	399	346	301
8	286	279	441	420	525	530	503	460	468	397	342	299
9	286	282	430	420	522	530	503	460	465	397	339	299
10	286	286	430	420	519	530	503	460	460	396	338	299
11	284	289	425	420	514	530	498	459	460	390	335	299
12	282	292	419	420	509	530	498	449	460	390	335	299
13	279	295	414	420	521	530	498	447	460	390	335	299
14	277	299	408	420	569	530	498	444	460	389	335	299
15	276	302	402	420	575	525	498	442	460	386	332	299
16	274	304	399	416	576	525	498	433	460	383	331	299
17	274	307	395	410	574	525	498	431	452	379	323	297
18	274	317	391	407	574	525	498	431	439	376	322	294
19	272	401	387	404	574	525	498	429	439	372	322	292
20	271	462	384	401	574	525	494	424	439	372	324	292
21	269	464	380	399	574	525	491	424	439	371	354	291
22	265	464	379	395	574	525	487	450	430	367	341	289
23	265	464	377	392	569	525	485	472	427	364	333	288
24	265	464	375	388	565	519	485	472	427	363	329	286
25	265	462	373	386	562	516	483	472	425	361	325	286
26	265	460	372	386	559	514	481	472	423	361	325	286
27	265	465	372	388	558	510	480	472	416	361	324	286
28	265	468	381	390	552	507	474	472	416	361	322	285
29	265	468	392	401	---	507	468	472	413	361	322	283
30	265	468	396	413	---	507	468	472	412	361	322	283
31	264	---	393	418	---	507	---	472	---	361	318	---
TOTAL	8533	10642	12737	12571	15108	16285	14812	14120	13439	11849	10424	8881
MEAN	275	355	411	406	540	525	494	455	448	382	336	296
MAX	286	468	468	420	576	547	507	472	472	412	361	313
MIN	264	262	372	386	420	507	468	424	412	361	318	283
AC-FT	16930	21110	25260	24930	29970	32300	29380	28010	26660	23500	20680	17620

CAL YR 1988 TOTAL 141654 MEAN 387 MAX 544 MIN 262 AC-FT 281000
WTR YR 1989 TOTAL 149401 MEAN 409 MAX 576 MIN 262 AC-FT 296300

07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARK.

LOCATION.--Lat 36°21'00", long 91°38'00", in NW ¼ NW ¼ sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
25.	1445	9827	9827	34	7.6	15.0	2.5	10.7	0.8
NOV									
29.	1350	9827	9827	570	--	9.0	10	11.2	0.6
DEC									
27.	1415	9827	9827	88	8.0	9.0	4.0	11.1	0.6
JAN									
24.	1430	9827	9827	111	8.2	9.0	2.5	13.5	0.4
FEB									
21.	0930	9827	9827	--	7.5	6.0	--	11.1	1.0
MAR									
28.	0830	9827	9827	230	8.0	16.0	2.5	8.7	0.9
APR									
25.	0800	9827	9827	138	8.0	21.0	3.5	7.2	1.0
MAY									
23.	0915	9827	9827	--	7.6	19.0	80	7.2	4.7
JUN									
13.	0820	9827	9827	475	8.1	21.0	7.5	7.5	0.8
JUL									
25.	1630	9827	9827	75	8.2	26.0	3.4	7.8	0.8
AUG									
22.	1545	9827	9827	55	8.3	29.0	3.0	8.9	1.4
SEP									
12.	0800	9827	9827	43	8.1	23.0	3.0	6.6	0.5

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
25.	1445	3.5	3.0	249	4	--	--	0.010	--
NOV									
29.	1350	2.5	4.0	145	8	0.390	0.030	0.040	0.020
DEC									
27.	1415	2.5	5.0	220	<1	0.260	0.020	0.070	<0.010
JAN									
24.	1430	3.0	4.0	194	2	0.180	0.040	0.020	<0.010
FEB									
21.	0930	2.0	4.0	138	42	0.450	0.100	0.080	0.040
MAR									
28.	0830	3.0	--	197	5	0.250	0.060	0.030	--
APR									
25.	0800	3.1	5.0	196	6	0.080	0.100	0.010	0.020
MAY									
23.	0915	2.9	16	119	101	0.170	0.010	0.200	0.200
JUN									
13.	0820	3.5	1.0	188	14	0.110	0.010	--	<0.010
JUL									
25.	1630	3.0	3.0	213	4	0.060	<0.050	0.060	<0.030
AUG									
22.	1545	3.5	5.0	217	6	--	<0.050	<0.030	<0.030
SEP									
12.	0800	3.6	3.0	210	5	0.030	<0.050	<0.030	0.050

07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1445	<1	<1	<15	3	<0.50	<10	6.9
NOV								
29.	1350	<1	<1	<15	<1	--	<10	3.4
DEC								
27.	1415	<1	<1	<15	1	--	<10	2.9
JAN								
24.	1430	<1	11	<15	2	--	--	5.7
FEB								
21.	0930	<1	<1	<15	2	--	20	4.9
MAR								
28.	0830	<1	1	24	<1	--	20	5.4
APR								
25.	0800	<1	1	--	1	--	10	5.1
MAY								
23.	0915	<1	2	<15	6	--	<10	11
JUN								
13.	0820	<1	<1	15	2	--	10	5.7
JUL								
25.	1630	<1	1	<15	2	--	<10	5.5
AUG								
22.	1545	--	<1	--	--	--	20	3.7
SEP								
12.	0800	<1	--	<15	--	<0.40	--	5.0

07069370 SPRING RIVER AT RAVENDEN, ARK.

LOCATION.--Lat 36°13'30", long 91°15'03", in SE ¼ NW ¼ sec.12, T.18 N., R.3 W., Lawrence County, Hydrologic Unit 11010010, at bridge on county road, 400 ft upstream from Starling Creek, and 0.5 mi south of Ravenden.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1330	9827	9827	499	8.2	17.0	3.5	10.4	--
NOV									
15.	1255	9827	9827	588	--	15.0	2.4	9.8	0.5
DEC									
13.	1310	9827	9827	1040	7.9	8.0	20	12.2	0.6
JAN									
24.	1240	9827	9827	1010	8.4	9.0	4.0	12.8	0.4
FEB									
07.	1210	9827	9827	2690	7.9	4.0	7.5	12.5	0.6
MAR									
14.	1215	9827	9827	2810	7.3	15.0	5.5	9.7	0.9
APR									
11.	1200	9827	9827	2060	8.4	11.0	4.5	11.4	1.1
MAY									
09.	1145	9827	9827	1160	8.4	19.0	6.0	9.0	1.2
JUN									
13.	1200	9827	9827	2360	8.2	22.0	15	8.5	1.2
JUL									
11.	1215	9827	9827	749	8.4	29.0	2.5	7.9	1.0
AUG									
08.	1130	9827	9827	580	8.4	25.0	6.0	--	1.5
SEP									
26.	1135	9827	9827	478	8.5	19.0	4.8	--	0.9

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1330	1.5	2.0	--	5	0.300	0.320	0.020	0.010
NOV									
15.	1255	2.5	1.0	244	5	0.220	0.030	0.010	<0.010
DEC									
13.	1310	2.0	5.0	223	43	0.680	0.040	0.040	0.010
JAN									
24.	1240	3.0	4.0	231	6	--	--	0.010	0.010
FEB									
07.	1210	2.0	4.0	199	--	--	0.040	0.050	0.020
MAR									
14.	1215	2.5	6.0	182	8	--	0.020	0.020	0.010
APR									
11.	1200	2.5	5.0	221	7	0.260	<0.010	0.010	0.010
MAY									
09.	1145	2.9	4.0	238	11	0.410	0.030	0.030	0.020
JUN									
13.	1200	3.6	4.0	208	23	0.280	<0.010	--	<0.010
JUL									
11.	1215	5.7	4.0	237	10	0.260	<0.050	<0.030	0.030
AUG									
08.	1130	3.1	6.0	235	13	0.290	<0.050	0.040	<0.030
SEP									
26.	1135	3.1	3.0	--	6	0.230	<0.050	<0.030	<0.030

07069370 SPRING RIVER AT RAVENDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1330	<1	--	<15	<1	<0.50	--	5.9
NOV								
15.	1255	<1	3	<15	5	--	30	3.6
DEC								
13.	1310	<1	2	--	--	--	--	6.3
JAN								
24.	1240	<1	2	<15	<1	--	10	7.5
FEB								
07.	1210	--	<1	<15	<1	--	--	8.9
MAR								
14.	1215	<1	3	19	1	--	70	3.6
APR								
11.	1200	<1	1	17	<1	--	--	6.2
MAY								
09.	1145	<1	<1	<15	--	--	--	6.2
JUN								
13.	1200	1	1	27	--	--	<10	5.2
JUL								
11.	1215	<1	<1	<15	2	--	--	2.0
AUG								
08.	1130	--	<1	<15	1	--	<10	5.4
SEP								
26.	1135	<1	1	16	<2	<0.40	<10	7.4

07069500 SPRING RIVER AT IMBODEN, AR

LOCATION.--Lat 36°12'19", long 91°10'19", in SE¼NE¼ sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi uptream from Harding Creek, 3.9 mi downstream from Janes Creek, 8.2 mi upstream from Eleven Point River, and at mile 12.1.

DRAINAGE AREA.--1,183 mi^2.

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1147: 1937-39, 1942-43, 1945. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft above National Geodetic Vertical Datum of 1929. Prior to July 17,1937, nonrecording gage at site 200 ft downstream at present datum. July 17, 1937, to Feb. 8, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 1,376 ft^3/s, 15.80 in/yr, 996,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 ft^3/s Dec. 3, 1982, gage height, 38.12 ft from floodmarks, from rating curve extended above 78,000 ft^3/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum daily, 215 ft^3/s Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft, from information by U.S. Army Corps of Engineers, discharge, about 125,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 20	1000	12,100	16.91	Feb. 15	1600	29,400	21.77
Feb. 03	1830	13,900	17.94	May 22	2300	12,400	17.19
Feb. 14	0700	*32,900	*22.42				

Minimum discharge, 433 ft^3/s Nov. 1-2, gage height, 2.83 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	895	436	1870	1640	2050	2500	4650	1260	1700	1020	778	552
2	734	434	1690	1570	1970	2400	3280	1200	1600	987	706	550
3	678	438	1570	1510	10800	2330	2930	1170	1510	942	688	528
4	681	442	1470	1450	9320	2650	4070	1170	1460	904	664	515
5	614	513	1370	1430	3950	6780	3400	1170	1660	871	639	502
6	580	487	1320	1900	3110	4770	2880	1110	1660	844	621	498
7	556	470	1270	2090	2690	3660	2690	1070	1550	826	601	490
8	536	473	1250	1920	2430	3560	2520	1060	1440	795	583	488
9	526	462	1200	1730	2200	3520	2330	1140	1390	782	574	497
10	514	496	1150	1600	2080	3560	2180	1080	1300	767	568	541
11	499	498	1110	1510	1980	3520	2060	1030	1380	749	562	566
12	490	497	1070	1540	1910	3250	1970	997	3030	736	557	560
13	482	522	1040	1440	7100	2990	1890	979	2450	755	550	554
14	478	545	1010	1410	27000	2800	1810	959	2090	724	545	577
15	472	578	983	1380	26800	2610	1820	943	1750	713	537	545
16	479	1320	965	1320	17300	2400	1730	924	1580	710	531	529
17	483	1040	947	1270	8180	2280	1670	905	1480	694	524	519
18	475	1600	928	1220	5530	2210	1630	999	1400	699	522	508
19	465	7600	912	1170	4540	2090	1550	982	1310	721	517	498
20	460	11200	898	1130	4670	2080	1500	957	1220	691	536	480
21	456	5970	879	1090	6310	2140	1480	930	1160	695	1740	484
22	449	2980	855	1060	4610	2010	1450	6470	1130	682	776	481
23	475	2310	912	1030	3700	1920	1410	9620	1090	686	635	475
24	493	1960	890	1010	3270	1860	1370	3270	1100	676	621	462
25	475	1750	876	1080	3030	1800	1350	2330	1090	723	604	452
26	464	5020	854	2800	2850	1760	1310	2410	1030	784	571	464
27	448	5800	871	2680	2740	1720	1280	4090	1020	835	551	459
28	476	3290	2300	2130	2640	1710	1260	3030	1000	728	542	455
29	456	2490	2380	2450	---	1910	1240	2360	1000	684	560	459
30	447	2080	1950	2680	---	3040	1270	2050	973	665	604	482
31	441	---	1750	2300	---	5490	---	1850	---	926	559	---
TOTAL	16179	63701	38540	50540	174760	87320	61980	59515	43553	24014	19566	15180
MEAN	522	2123	1243	1630	6241	2817	2066	1920	1452	775	631	506
MAX	895	11200	2380	2800	27000	6780	4650	9620	3030	1020	1740	577
MIN	441	434	854	1010	1910	1710	1240	905	973	665	517	455
AC-FT	32090	126400	76440	100200	346600	173200	122900	118000	86390	47630	38810	30110
CFSM	.44	1.79	1.05	1.38	5.28	2.38	1.75	1.62	1.23	.65	.53	.43
IN.	.51	2.00	1.21	1.59	5.50	2.75	1.95	1.87	1.37	.76	.62	.48

CAL YR 1988 TOTAL 499088 MEAN 1364 MAX 16000 MIN 424 AC-FT 989900 CFSM 1.15 IN. 15.69
WTR YR 1989 TOTAL 654848 MEAN 1794 MAX 27000 MIN 434 AC-FT 1299000 CFSM 1.52 IN. 20.59

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, ARK.

LOCATION.--Lat 36°20'48", long 91°06'48", in SE¼SE¼ sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on right bank at upstream side of bridge on State Highway 90, 0.9 mi downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs, and at mile 21.2.

DRAINAGE AREA.--1,134 mi^2.

PERIOD OF RECORD.--October 1929 to September 1933, October 1935 to current year. Prior to October 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 877: 1930-33, 1936-38. WSP 977: 1933, 1937-39, 1942. WRD Ark. 1973: Drainage area

GAGE.--Water-stage recorder. Datum of gage is 291.98 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 21, 1938, nonrecording gage at present site at datum 0.04 ft higher. Nov. 21 to Dec. 11, 1938, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Satellite telemeter at station.

AVERAGE DISCHARGE.--58 years, 1,133 ft^3/s, 13.57 in/yr, 820,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 29.06 ft from floodmarks, from rating curve extended above 23,000 ft^3/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum observed, 226 ft^3/s Sept. 9, 1936, gage height, 2.13 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 20	0400	6,490	10.68	Feb. 14	0500	*10,900	*14.30
Feb. 03	2200	7,540	11.76	May 22	1700	7,340	11.56

Minimum discharge, 475 ft^3/s Oct. 31, Nov. 1, 2, 3, 4, gage height, 2.90 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	619	476	1320	1130	1270	1890	3090	1110	1110	1020	737	629
2	624	475	1220	1100	1390	1730	2500	1080	1150	980	713	623
3	610	476	1160	1090	6440	1740	2330	1070	1070	951	700	608
4	585	679	1100	1080	5350	1990	4230	1060	1060	925	688	598
5	563	758	1050	1120	2980	3890	3830	1050	1360	903	681	587
6	549	547	1020	1380	2380	2820	2820	1030	1460	882	673	579
7	539	522	990	1430	2030	2400	2520	1020	1240	861	662	572
8	528	509	971	1370	1810	2310	2300	1030	1160	845	654	571
9	528	500	927	1280	1620	2190	2110	1070	1110	832	648	682
10	521	538	902	1220	1490	2190	1920	1010	1050	820	642	601
11	516	518	881	1180	1420	2280	1790	981	1080	808	637	587
12	506	514	856	1160	1360	2310	1710	962	2030	796	632	575
13	502	534	846	1100	4530	2200	1650	953	2030	793	625	564
14	493	548	838	1090	9870	2110	1580	946	1720	782	621	568
15	493	543	821	1060	10200	1990	1540	935	1600	773	618	555
16	523	928	796	1030	8200	1810	1490	919	1500	765	614	552
17	517	775	786	1010	5300	1720	1460	913	1400	757	613	544
18	503	1130	776	990	4010	1660	1420	930	1330	760	610	540
19	492	4410	774	975	3370	1570	1370	919	1270	766	601	534
20	483	4860	773	955	3390	1540	1320	903	1210	749	605	528
21	486	2710	762	930	3550	1520	1300	896	1170	753	633	526
22	481	1830	746	912	2990	1440	1280	4430	1130	741	606	518
23	498	1510	773	901	2600	1400	1260	2710	1090	734	595	516
24	501	1330	774	904	2370	1370	1240	1930	1080	729	591	505
25	498	1210	774	909	2240	1340	1210	1570	1040	817	593	505
26	495	2740	774	1210	2140	1310	1190	1470	996	771	587	507
27	490	2290	791	1160	2090	1280	1170	1540	977	751	599	504
28	507	1850	1350	1150	1990	1270	1150	1360	983	739	604	499
29	489	1590	1240	1310	---	1340	1150	1270	988	729	594	493
30	486	1430	1210	1290	---	2140	1140	1200	1020	722	601	512
31	478	---	1160	1300	---	3440	---	1150	---	1110	604	---
TOTAL	16103	38730	29161	34726	98380	60240	55070	39417	37414	25364	19581	16682
MEAN	519	1291	941	1120	3514	1943	1836	1272	1247	818	632	556
MAX	624	4860	1350	1430	10200	3890	4230	4430	2030	1110	737	682
MIN	478	475	746	901	1270	1270	1140	896	977	722	587	493
AC-FT	31940	76820	57840	68880	195100	119500	109200	78180	74210	50310	38840	33090
CFSM	.46	1.14	.83	.99	3.10	1.71	1.62	1.12	1.10	.72	.56	.49
IN.	.53	1.27	.96	1.14	3.23	1.98	1.81	1.29	1.23	.83	.64	.55

CAL YR 1988 TOTAL 407473 MEAN 1113 MAX 7800 MIN 475 AC-FT 808200 CFSM .98 IN. 13.37
WTR YR 1989 TOTAL 470868 MEAN 1290 MAX 10200 MIN 475 AC-FT 934000 CFSM 1.14 IN. 15.45

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARK.

LOCATION.--Lat 36°14'13", long 91°05'05", in NW ¼ SE ¼ sec.33, T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S. Highway 62, 6.0 mi west of Pocahontas.

DRAINAGE AREA.--1,192 mi^2.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT										
06...	1210	80513	80513	--	573	380	--	15.0	--	--
11...	1255	9827	9827	480	--	--	8.0	15.0	4.0	10.0
NOV										
15...	1210	9827	9827	560	--	--	--	14.0	2.7	10.1
DEC										
13...	1230	9827	9827	876	--	--	7.0	8.0	4.5	11.9
JAN										
24...	1200	9827	9827	875	--	--	8.1	9.0	4.0	11.7
FEB										
07...	1130	9827	9827	2030	--	--	7.5	5.0	10	--
MAR										
14...	1140	9827	9827	2060	--	--	7.1	14.0	6.0	9.6
APR										
11...	1115	9827	9827	1690	--	--	8.1	11.0	5.5	10.6
MAY										
09...	1045	9827	9827	967	--	--	8.2	18.0	7.0	9.0
JUN										
13...	1045	9827	9827	2150	--	--	8.0	20.0	30	8.4
JUL										
11...	1145	9827	9827	842	--	--	8.2	26.0	6.0	7.9
AUG										
08...	1100	9827	9827	680	--	--	8.3	23.0	6.5	--
SEP										
26...	1100	9827	9827	526	--	--	8.4	17.0	2.8	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1255	0.6	1.5	1.0	215	8	0.340	0.030	0.020
NOV									
15...	1210	0.9	2.0	<1.0	213	4	0.300	0.020	0.010
DEC									
13...	1230	0.6	1.5	4.0	176	4	0.620	0.010	0.010
JAN									
24...	1200	0.3	2.0	4.0	199	4	--	--	0.020
FEB									
07...	1130	--	1.5	4.0	160	--	--	0.050	0.050
MAR									
14...	1140	0.6	1.5	5.0	157	10	--	0.040	0.020
APR									
11...	1115	0.8	2.0	5.0	172	10	0.360	0.020	0.020
MAY									
09...	1045	1.0	2.5	4.0	193	15	0.410	0.070	0.040
JUN									
13...	1045	1.1	3.6	3.0	171	56	0.370	<0.010	--
JUL									
11...	1145	0.6	2.6	3.0	193	15	0.300	0.070	<0.030
AUG									
09...	1100	0.9	3.0	8.0	191	14	0.400	<0.050	0.040
SEP									
26...	1100	0.8	3.0	3.0	--	6	0.340	<0.050	<0.030

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 11...	1255	0.010	<1	--	<15	<1	<0.50	--	9.2
NOV 15...	1210	0.010	<1	1	<15	6	--	20	3.3
DEC 13...	1230	<0.010	<1	2	--	19	--	90	3.9
JAN 24...	1200	0.010	<1	<1	<15	1	--	10	4.8
FEB 07...	1130	0.010	--	<1	<15	<1	--	--	6.1
MAR 14...	1140	0.010	<1	7	19	2	--	250	3.5
APR 11...	1115	0.020	<1	4	<15	<1	--	--	4.1
MAY 09...	1045	0.020	<1	<1	<15	--	--	--	4.8
JUN 13...	1045	0.040	<1	<1	27	--	--	10	1.9
JUL 11...	1145	0.030	<1	1	<15	2	--	--	4.7
AUG 08...	1100	<0.030	--	<1	<15	<2	--	<10	3.7
SEP 26...	1100	<0.030	<1	2	16	<2	<0.40	<10	4.5

07072500 BLACK RIVER AT BLACK ROCK, ARK.

LOCATION.--Lat 36°06'15", long 91°05'50", in NW¼ sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank 900 ft downsteam from St. Louis-San Francisco Railway bridge at Black Rock, 3.7 mi downstream from Spring River, and at mile 69.3.

DRAINAGE AREA.--7,369 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1929 to September 1931, October 1939 to current year. Gage-height records collected since 1904 in same vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1930-31. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

REMARKS.--Water-discharge records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi upstream, capacity, 413,700 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--52 years, 8,567 ft^3/s, 6,207,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft^3/s Dec. 4, 1982, gage height, 31.51 ft, from floodmarks, from rating curve extended above 105,000 ft^3/s; minimum daily discharge, 1,730 ft^3/s in September, October, and November 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1915, reached a stage of 31.9 ft, from records of National Weather Service, discharge, 160,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 73,300 ft^3/s Feb. 16, gage height, 25.96 ft; minimum daily, 2,890 ft^3/s Nov. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5790	2930	19000	10100	11800	24700	20000	8630	8060	8700	4730	4320
2	6850	2910	17900	9860	11300	22900	19800	8440	7730	8420	4440	4240
3	6630	2900	16700	9560	17700	21600	19400	8220	7360	8050	4310	4180
4	6080	2890	15400	9250	27100	20900	20400	8000	7030	7740	4240	4170
5	5380	3200	14100	9110	26000	24500	22000	7780	6920	7470	4150	4110
6	4830	3240	12900	10200	23600	26300	21900	7510	7410	7220	4040	3980
7	4500	3110	11700	11500	22200	25100	21500	7210	7380	6990	3910	3850
8	4290	3050	10700	11800	21000	24400	21200	6980	7110	6770	3810	3760
9	4100	3030	9900	11700	19900	24000	20800	7020	6930	6560	3740	3730
10	3940	3050	9300	11400	19100	23900	20300	6910	6720	6300	3690	3930
11	3790	3100	8820	10900	18500	23900	19700	6660	6660	5950	3660	3890
12	3640	3130	8440	11300	17800	23600	19000	6430	11300	5590	3600	3860
13	3490	3160	8110	11300	18900	23100	18200	6240	12700	5280	3560	3920
14	3360	3230	7810	11000	39100	22700	17200	6080	14300	4990	3540	4090
15	3250	3320	7460	11100	65000	21900	16300	5950	13900	4800	3520	4180
16	3190	4200	7030	10800	71000	21000	15300	5840	13800	4670	3480	4170
17	3210	4910	6520	10500	e69000	20000	14400	5730	13400	4570	3450	4170
18	3160	5450	6030	9990	e66500	18900	13600	5720	12900	4520	3440	4230
19	3080	14000	5690	9550	e64000	17700	12900	5720	12300	4540	3430	4270
20	3020	21600	5450	9160	e61000	16600	12300	5670	11800	4510	3450	4220
21	2980	23500	5240	8800	e57000	15700	11800	5580	11600	4520	4190	4120
22	2950	21200	5080	8500	e51800	14800	11400	9440	11300	4530	4260	3990
23	2970	19700	5030	8230	45500	13900	11000	19000	10900	4530	3880	3850
24	3020	18400	5010	7950	41100	13100	10500	17600	10400	4590	3940	3730
25	3020	17100	5070	7670	37400	12400	10100	14900	9800	4620	4030	3660
26	3000	18100	5560	10800	33800	11900	9760	13300	9200	4700	3980	3620
27	2970	22100	5810	12700	30300	11500	9410	13800	8780	4700	4030	3560
28	3000	21800	7550	12000	27300	11200	9060	12900	8440	4630	4220	3520
29	3010	20900	9460	12000	---	11800	8770	11100	8520	4600	4320	3510
30	2980	20000	9730	12600	---	13600	8600	9640	8880	4550	4350	3520
31	2960	---	10100	12400	---	17700	---	8720	---	4900	4310	---
TOTAL	118440	299210	282600	323730	1014700	595300	466600	272720	293530	174510	121700	118350
MEAN	3821	9974	9116	10440	36240	19200	15550	8797	9784	5629	3926	3945
MAX	6850	23500	19000	12700	71000	26300	22000	19000	14300	8700	4730	4320
MIN	2950	2890	5010	7670	11300	11200	8600	5580	6660	4510	3430	3510
AC-FT	234900	593500	560500	642100	2013000	1181000	925500	540900	582200	346100	241400	234700

CAL YR 1988 TOTAL 2999380 MEAN 8195 MAX 29400 MIN 2720 AC-FT 5949000
WTR YR 1989 TOTAL 4081390 MEAN 11180 MAX 71000 MIN 2890 AC-FT 8095000

e Estimated

07072500 BLACK RIVER AT BLACK ROCK, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1953, October 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1946, October 1952 to September 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 19...	0900	80513	80020	3090	345	7.7	16.0	8.2	83	0.2	763
DEC 07...	0810	80513	80020	11300	250	7.8	7.0	9.6	79	1.1	764
MAR 01...	0810	80513	80020	26300	181	7.4	6.0	9.9	79	0.9	766
APR 19...	0840	80513	80020	13300	253	7.9	16.5	6.6	68	0.6	763
JUN 14...	0800	80513	80020	14300	198	7.8	21.0	6.5	73	2.2	758
AUG 30...	0945	80513	80020	3910	328	8.0	26.0	6.6	82	1.1	759

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT 19...	0900	23	18	180	36	23	3.5	4	0.1	6.2	184
DEC 07...	0810	53	K360	120	25	13	3.4	6	0.1	0.90	120
MAR 01...	0810	K20	150	89	19	10	2.8	6	0.1	0.40	83
APR 19...	0840	89	400	130	27	15	2.9	5	0.1	0.40	129
JUN 14...	0800	470	K2000	98	21	11	2.6	5	0.1	0.80	107
AUG 30...	0945	K12	240	170	35	19	3.5	4	0.1	0.60	170

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT 19...	0900	3.4	5.3	0.10	189	0.26	1570	--	<0.010	0.170	0.010
DEC 07...	0810	3.4	12	0.10	131	0.18	3990	0.210	0.010	0.220	0.020
MAR 01...	0810	2.2	8.7	0.30	94	0.13	6680	0.190	0.010	0.200	0.020
APR 19...	0840	2.4	5.6	0.10	131	0.18	4720	--	<0.010	0.110	0.010
JUN 14...	0800	2.5	4.0	0.10	107	0.15	4150	0.220	0.020	0.240	0.060
AUG 30...	0945	3.1	4.0	0.10	168	0.23	1780	--	<0.010	0.220	<0.010

07072500 BLACK RIVER AT BLACK ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHOROUS DISSOLVED (MG/L AS P) (00666)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
OCT											
19...	0900	<0.010	--	<0.20	0.020	0.020	--	10	--	--	--
DEC											
07...	0810	<0.010	0.48	0.50	0.070	0.040	--	20	--	--	--
MAR											
01...	0810	<0.010	0.28	0.30	0.050	0.030	--	10	--	--	--
APR											
19...	0840	0.020	0.49	0.50	0.040	0.020	--	10	--	--	--
JUN											
14...	0800	0.030	0.34	0.40	0.060	0.040	--	30	--	--	--
AUG											
30...	0945	0.010	--	<0.20	0.040	0.020	<1	20	<1	<1	1

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG										
30...	0945	3	290	2	2	70	<0.10	<1	<1	10

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, ARK.

LOCATION.--Lat 36°06'37", long 91°26'59", in SE¼NW¼ sec.19, T 17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on left bank 250 ft upstream of bridge on State Highway 58, 0.5 mi downstream from Hurricane Creek, 2.5 mi northeast of Poughkeepsie, and at mile 35.9.

DRAINAGE AREA.--473 mi^2.

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 877: 1938. WSP 1211: 1938-39. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 298.07 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum. Prior to Jan. 11, 1983, recording gage 250 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 498 ft^3/s, 14.30 in/yr, 360,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 35.9 ft, from floodmark, site then in use, from rating curve extended above 27,000 ft^3/s on basis of slope-area measurement of peak flow; minimum observed, 31 ft^3/s Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 19	2345	8,230	11.91	Feb. 15	0800	*20,600	*19.28
Feb. 14	0230	18,700	18.32				

Minimum discharge, 40 ft^3/s Oct. 18, gage height, 1.40 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	50	545	530	831	682	1030	227	443	201	176	e60
2	133	51	467	484	807	610	821	205	388	185	124	e60
3	90	51	412	437	3060	575	779	196	348	171	109	e60
4	74	52	371	397	2210	1140	1480	194	349	161	97	e60
5	64	52	348	397	1570	3840	1190	194	467	153	92	e60
6	59	54	322	530	1200	2040	889	180	401	143	88	e55
7	57	52	304	568	991	1420	785	171	339	134	83	e55
8	53	53	295	499	880	1500	694	203	306	126	78	e55
9	52	53	277	471	775	1310	612	678	293	123	77	e80
10	50	59	264	410	683	1180	546	522	262	116	75	e130
11	48	58	250	381	650	1060	494	339	900	109	73	e110
12	46	63	231	529	667	921	458	275	2110	105	73	e100
13	45	66	219	444	5920	809	427	244	1510	114	72	e90
14	45	62	211	434	16000	731	406	222	1160	113	70	e85
15	44	84	206	424	19200	650	392	206	746	108	70	e80
16	47	303	199	395	10900	574	367	192	584	114	68	e75
17	45	248	192	367	3710	525	348	183	482	107	65	e70
18	42	761	187	348	2470	507	331	201	420	102	66	e70
19	42	5220	178	324	1930	473	316	261	370	104	e65	e65
20	44	6310	176	302	2610	464	300	236	327	102	e65	e60
21	45	1590	173	286	4070	543	288	210	292	100	e65	e60
22	42	807	173	273	2100	522	274	1800	267	96	62	e60
23	54	590	179	262	1460	468	262	2230	245	99	e60	e55
24	55	473	158	251	1180	435	252	819	228	102	e60	e55
25	52	407	167	310	1030	412	240	583	212	230	e60	e50
26	50	4010	162	2530	926	392	232	839	200	271	e60	e50
27	49	3010	190	1820	839	379	219	3030	485	133	e60	e50
28	50	1250	1330	1090	770	374	212	1310	304	125	e65	e50
29	50	858	1050	1620	---	585	207	826	239	109	e65	e100
30	50	665	704	1360	---	1020	230	642	215	160	e65	e90
31	50	---	598	999	---	1300	---	524	---	251	e60	---
TOTAL	1772	27362	10538	19472	89439	27441	15081	17942	14892	4267	2368	2100
MEAN	57.2	912	340	628	3194	885	503	579	496	138	76.4	70.0
MAX	145	6310	1330	2530	19200	3840	1480	3030	2110	271	176	130
MIN	42	50	158	251	650	374	207	171	200	96	60	50
AC-FT	3510	54270	20900	38620	177400	54430	29910	35590	29540	8460	4700	4170
CFSM	.12	1.93	.72	1.33	6.75	1.87	1.06	1.22	1.05	.29	.16	.15
IN.	.14	2.15	.83	1.53	7.03	2.16	1.19	1.41	1.17	.34	.19	.17

CAL YR 1988 TOTAL 143157 MEAN 391 MAX 6310 MIN 42 AC-FT 284000 CFSM .83 IN. 11.26
WTR YR 1989 TOTAL 232674 MEAN 637 MAX 19200 MIN 42 AC-FT 461500 CFSM 1.35 IN. 18.30

e Estimated

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.

LOCATION.--Lat 36°01'40", long 91°19'31", in NW ¼ SE ¼ sec.17, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 115, 2.0 mi upstream from Reeds Creek, and Cooper Creek, and 3.9 mi southwest of Smithville.

DRAINAGE AREA.--539 mi^2.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 11.	1405	9827	9827	44	8.1	16.0	6.0	9.8	--
NOV 15.	1345	9827	9827	82	--	16.0	2.8	9.7	0.6
DEC 13.	1400	9827	9827	227	7.7	6.0	5.5	12.2	0.5
JAN 24.	1315	9827	9827	261	8.3	9.0	4.0	12.1	0.3
FEB 07.	1300	9827	9827	1110	7.9	3.0	10	12.7	0.7
MAR 14.	1255	9827	9827	806	7.5	15.0	7.5	9.5	0.6
APR 11.	1310	9827	9827	536	8.2	11.0	3.5	11.1	0.9
MAY 09.	1235	9827	9827	744	8.3	20.0	20	8.6	1.4
JUN 13.	1245	9827	9827	1650	8.1	22.0	75	7.9	1.8
JUL 11.	1300	9827	9827	92	8.3	32.0	6.5	7.3	0.6
AUG 08.	1215	9827	9827	64	8.3	27.0	8.5	--	0.8
SEP 26.	1215	9827	9827	34	8.4	19.0	3.9	--	0.7

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1405	2.5	3.0	222	15	0.040	0.140	0.020	0.010
NOV 15.	1345	2.5	7.0	--	4	0.020	0.030	0.010	<0.010
DEC 13.	1400	2.0	7.0	212	5	0.400	<0.010	0.010	<0.010
JAN 24.	1315	2.5	6.0	225	6	--	--	0.010	0.010
FEB 07.	1300	2.0	6.0	162	--	--	0.040	0.040	0.010
MAR 14.	1255	2.5	7.0	173	14	--	0.040	0.020	0.010
APR 11.	1310	3.0	6.0	196	5	0.090	<0.010	0.040	0.020
MAY 09.	1235	2.7	5.0	223	37	0.080	0.040	0.050	0.020
JUN 13.	1245	3.5	4.0	165	202	0.110	<0.010	--	0.010
JUL 11.	1300	5.0	5.0	225	14	0.030	<0.050	<0.030	0.040
AUG 08.	1215	3.0	7.0	212	18	<0.020	<0.050	0.040	<0.030
SEP 26.	1215	3.1	4.0	--	6	<0.020	<0.050	<0.030	<0.030

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1405	<1	--	<15	<1	<0.50	--	6.1
NOV								
15.	1345	<1	2	<15	4	--	10	3.8
DEC								
13.	1400	<1	<1	<15	--	--	20	7.0
JAN								
24.	1315	<1	1	74	1	--	220	7.5
FEB								
07.	1300	--	<1	<15	<1	--	--	7.9
MAR								
14.	1255	<1	8	27	2	--	170	4.0
APR								
11.	1310	<1	1	<15	1	--	--	5.4
MAY								
09.	1235	<1	<1	<15	--	--	--	5.6
JUN								
13.	1245	<1	1	27	--	--	10	6.2
JUL								
11.	1300	<1	<1	<15	1	--	--	2.3
AUG								
08.	1215	--	<1	<15	<2	--	<10	6.6
SEP								
26.	1215	<1	1	23	<2	<0.40	<10	6.3

07074500 WHITE RIVER AT NEWPORT, ARK
(National stream-quality accounting network station)

LOCATION.--Lat 35°36'18", long 91°17'19", in NE¼NE¼ sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft downstream from bridge on U.S. Highway 67 at Newport, 7.2 mi downstream from Black River, and at mile 257.6.

DRAINAGE AREA.--19,860 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to September 1931 (published as "near Newport"), October 1937 to current year. Gage-height records collected at present site since 1885 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft above National Geodetic Vertical Datum of 1929. September 1927 to September 1931, nonrecording gage at site 2.8 mi downstream at datum 2.30 ft lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--56 years, 22,700 ft^3/s, 16,450,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft^3/s Apr. 17, 1945; maximum gage height observed, 35.9 ft Apr. 18, 1945; minimum discharge, 2,870 ft^3/s Sept. 27-30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Apr. 18, 1945. Flood of Apr. 16, 1927, reached a stage of 35.6 ft, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 137,000 ft^3/s Feb. 17, gage height, 30.31 ft; minimum daily, 5,770 ft^3/s Sept. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10600	11100	37200	23400	29400	57400	53700	27000	23300	22600	12700	8220
2	11200	12000	36700	21200	27100	54100	52300	22100	21500	22200	11300	12500
3	11000	10600	35000	19400	e28000	51700	51200	24200	18800	18000	10600	12300
4	10100	9800	33400	18200	e38000	52500	54600	26400	16900	14700	11600	9050
5	9190	6990	32000	19700	e47000	57600	56500	27000	16800	14000	15200	8500
6	8610	5880	29400	22700	e45000	59700	52900	25300	16000	14000	15100	8850
7	8130	6540	26800	26100	42200	55700	51100	21600	17400	15400	12000	7710
8	7830	6610	25200	20400	43200	54000	49500	17100	18400	18100	9570	7820
9	8100	6690	23800	22600	e44000	53300	48500	20900	17700	18600	8870	11600
10	7930	7470	23400	23800	e45000	54000	48500	35600	15700	17400	7280	13500
11	7460	6650	e22000	29000	45900	53900	49200	29600	15200	16300	6620	10400
12	8500	7000	e19000	25400	e41000	53700	50500	22900	14900	17300	7300	7900
13	8550	12300	15800	22100	e39000	53500	51900	20400	18500	18100	8980	7510
14	7460	10400	13300	20400	e42000	53000	51700	17100	22200	18300	8030	7800
15	8370	7830	12800	19600	65700	51800	52600	14400	23900	19700	7170	7890
16	8070	6860	13300	19900	98900	50800	52900	12400	24200	16200	8090	8760
17	7800	10300	15900	19700	130000	50000	53400	14100	23800	12600	9530	8130
18	6140	12200	19000	19300	126000	50200	53400	13400	23400	9780	8330	7790
19	7650	17500	15400	17800	109000	50100	52100	12700	24700	10300	6390	7780
20	10100	31900	12500	16800	98100	50000	51600	11700	25500	10600	6940	8850
21	11700	37600	10900	16500	94500	50000	51400	12200	28400	9990	7700	9060
22	12200	37300	10100	16800	92500	50700	51000	13100	27200	9630	6820	7080
23	12200	36000	9810	16500	89300	51700	49300	18400	24400	9500	9160	6260
24	10000	34500	8940	14300	84600	51200	46100	24200	21000	8920	13400	5980
25	7440	32700	8640	14100	77800	51900	42200	29400	18200	8480	11700	6010
26	7940	31700	8250	15800	71600	51800	38900	34000	18700	10900	9570	5770
27	9140	37400	8490	20500	65600	51500	36900	32400	19300	13300	7490	5980
28	10600	40500	11000	24600	61200	50900	34500	30500	20300	13100	10800	6290
29	13700	39800	15800	27500	---	53100	34900	30300	18400	15100	13700	7260
30	13500	38800	19500	28800	---	56000	33500	28500	20900	15000	12000	6990
31	11200	---	21600	29600	---	55500	---	25200	---	14600	10500	---
TOTAL	292410	572920	594930	658500	1821600	1641300	1456800	694100	615600	452700	304440	249540
MEAN	9433	19100	19190	21240	65060	52950	48560	22390	20520	14600	9821	8318
MAX	13700	40500	37200	29600	130000	59700	56500	35600	28400	22600	15200	13500
MIN	6140	5880	8250	14100	27100	50000	33500	11700	14900	8480	6390	5770
AC-FT	580000	1136000	1180000	1306000	3613000	3256000	2890000	1377000	1221000	897900	603900	495000

CAL YR 1988 TOTAL 8453420 MEAN 23100 MAX 65400 MIN 5580 AC-FT 16770000
WTR YR 1989 TOTAL 9354840 MEAN 25630 MAX 130000 MIN 5770 AC-FT 18560000

e Estimated

07074500 WHITE RIVER AT NEWPORT, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946 to 1961, January to August 1978, November 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1945 to September 1961, November 1978 to September 1981.
WATER TEMPERATURES: October 1945 to September 1961, November 1978 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 13...	1025	80513	80020	8780	305	8.2	16.5	10	9.6	98
DEC 20...	1000	80513	80020	12800	269	8.0	7.5	7.2	11.3	95
FEB 02...	0915	80513	80020	27300	250	8.1	9.5	20	10.4	91
APR 10...	0945	80513	80020	48900	250	8.0	10.0	14	10.1	89
JUN 23...	0930	80513	80020	26100	248	8.3	23.0	24	8.5	100
AUG 02...	0930	80513	80020	11100	297	8.4	26.0	8.4	8.0	99

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 13...	1025	766	36	21	160	37	17	3.0	4	0.1
DEC 20...	1000	757	14	12	150	36	15	3.0	4	0.1
FEB 02...	0915	759	74	180	120	29	12	2.1	4	0.1
APR 10...	0945	768	53	60	130	30	13	2.0	3	0.1
JUN 23...	0930	759	25	230	120	30	12	2.5	4	0.1
AUG 02...	0930	760	60	270	150	36	15	3.7	5	0.1

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 13...	1025	1.8	154	0	195	160	4.6	0.80	0.10	6.3
DEC 20...	1000	1.3	141	0	176	144	4.2	8.6	0.10	6.6
FEB 02...	0915	1.4	118	0	145	119	3.0	8.5	0.10	6.5
APR 10...	0945	1.4	117	0	143	117	2.8	7.6	0.10	4.9
JUN 23...	0930	1.5	116	0	142	116	3.5	6.0	0.10	6.5
AUG 02...	0930	1.2	143	1	172	143	4.9	6.0	0.10	7.0

07074500 WHITE RIVER AT NEWPORT, ARK --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT										
13...	1025	164	167	0.22	3890	--	<0.010	0.170	0.010	<0.010
DEC										
20...	1000	160	163	0.22	5530	0.280	0.010	0.290	0.010	0.020
FEB										
02...	0915	133	135	0.18	9800	--	<0.010	0.210	<0.010	<0.010
APR										
10...	0945	138	133	0.19	18200	--	<0.010	0.190	0.020	0.030
JUN										
23...	0930	135	133	0.18	9510	--	<0.010	0.250	0.050	0.020
AUG										
02...	0930	154	162	0.21	4620	--	<0.010	0.190	0.050	0.050

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT										
13...	1025	0.39	0.40	0.220	0.080	<10	<1	39	<0.5	<1
DEC										
20...	1000	0.19	0.20	0.030	0.010	10	<1	38	<0.5	<1
FEB										
02...	0915	--	0.40	0.050	0.020	--	--	--	--	--
APR										
10...	0945	0.68	0.70	0.040	0.020	--	--	--	--	--
JUN										
23...	0930	0.25	0.30	0.030	0.020	20	<1	35	<0.5	<1
AUG										
02...	0930	0.25	0.30	0.030	<0.010	10	<1	40	<0.5	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
OCT										
13...	1025	<3	2	15	<5	<4	4	<0.1	<10	<1
DEC										
20...	1000	<3	4	30	<5	5	25	<0.1	<10	3
JUN										
23...	0930	<3	4	30	<1	<4	2	<0.1	<10	1
AUG										
02...	0930	<3	3	6	6	<4	11	<0.1	<10	4

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
13...	1025	<1	1.0	39	<6	7	39	925	80
DEC									
20...	1000	<1	<1.0	38	<6	5	28	968	90
FEB									
02...	0915	--	--	--	--	--	54	3980	72
APR									
10...	0945	--	--	--	--	--	29	3830	89
JUN									
23...	0930	<1	<1.0	34	<6	7	61	4300	93
AUG									
02...	0930	<1	<1.0	42	<6	8	29	869	92

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARK.

LOCATION.--Lat 35°39'06", long 92°19'20", in NE ¼ sec.25, T.12 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at bridge on State Highway 9, 0.2 mi south of Shirley, and at mile 124.4.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO CHEM ICAL, 5 DAY (MG/L) (00310)
OCT									
11...	1210	9827	9827	9.1	8.0	17.0	4.0	9.5	1.5
NOV									
08...	1030	9827	9827	6.7	6.9	13.0	4.0	8.5	1.3
DEC									
13...	1135	9827	9827	29	7.6	6.0	6.0	12.1	0.3
MAR									
14...	1145	9827	9827	608	6.7	13.5	6.5	--	0.5
APR									
11...	1150	9827	9827	322	7.9	10.0	5.0	10.6	0.7
MAY									
09...	1100	9827	9827	1600	7.5	17.0	75	9.1	1.8
JUN									
27...	1145	9827	9827	3.8	7.8	25.0	6.0	6.7	1.1
JUL									
11...	1415	9827	9827	0.0	7.9	29.0	4.6	7.5	1.4
AUG									
08...	1300	9827	9827	0.0	7.7	22.0	4.0	7.5	1.6
SEP									
12...	1100	9827	9827	2.2	7.7	24.0	4.5	7.5	2.1

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11...	1210	1.5	3.0	65	6	0.020	0.030	0.040	0.010
NOV									
08...	1030	2.0	8.0	57	5	0.010	0.010	0.050	<0.010
DEC									
13...	1135	2.5	6.0	50	<1	0.050	<0.010	0.010	0.010
MAR									
14...	1145	1.5	6.0	48	3	0.040	0.060	0.010	0.020
APR									
11...	1150	2.0	7.0	59	3	0.010	<0.010	0.040	0.020
MAY									
09...	1100	1.8	8.0	66	70	0.070	0.110	0.150	0.040
JUN									
27...	1145	2.0	5.0	60	7	0.010	0.070	0.050	<0.010
JUL									
11...	1415	4.2	6.0	73	3	<0.020	<0.050	0.040	<0.030
AUG									
08...	1300	2.2	4.0	--	4	<0.020	<0.050	0.040	<0.030
SEP									
12...	1100	2.5	1.0	55	7	--	<0.050	0.040	<0.030

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 11.	1210	<1	<1	--	<1	<0.50	20	3.0
NOV 08.	1030	<1	15	<15	2	--	--	2.0
DEC 13.	1135	<1	<1	<15	4	--	20	1.2
MAR 14.	1145	<1	2	<15	1	--	30	1.8
APR 11.	1150	<1	<1	20	<1	--	20	2.0
MAY 09.	1100	<1	<1	<15	4	--	50	5.5
JUN 27.	1145	<1	<1	<15	1	--	30	2.6
JUL 11.	1415	<1	1	<15	1	--	20	3.3
AUG 08.	1300	<1	<1	<15	<2	--	30	2.6
SEP 12.	1100	<1	<1	23	<2	<0.40	<10	3.2

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, AR

LOCATION.--Lat 35°35'29", long 92°27'20", in SW¼ sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi upstream from Archey Creek, and at mile 23.7.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD Ark. 1968: 1962, 1964. WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1964 (M).

GAGE.--Water-stage recorder. Datum of gage is 481.11 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--28 years, 238 ft³/s, 21.84 in/yr, 172,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,900 ft³/s Dec. 3, 1982, gage height, 34.27 ft, from floodmarks, from rating curve extended above 24,000 ft³/s on the basis of slope area and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Nov. 20	0300	10,000	14.54	Feb. 14	0400	9,830	14.44
Nov. 26	1000	7,490	13.27	Feb. 15	1400	*13,900	*16.31

No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	4.4	380	424	548	248	553	51	114	18	24	.86
2	44	6.3	319	367	493	227	464	45	98	19	24	1.1
3	21	5.2	282	331	1180	216	400	43	88	18	21	2.0
4	13	5.5	254	294	773	238	376	56	176	17	18	1.8
5	9.2	5.7	232	296	605	719	306	86	233	17	17	1.2
6	6.4	5.7	216	419	509	502	270	79	186	14	15	1.4
7	4.7	6.3	204	377	440	420	245	67	151	12	9.1	1.5
8	3.3	7.3	205	437	403	437	225	64	137	12	3.3	.70
9	2.9	7.5	196	367	374	437	202	105	121	12	e2.7	.00
10	2.5	7.9	185	333	346	414	183	132	102	10	e2.4	.35
11	2.0	7.6	174	312	337	372	164	108	87	9.4	e2.2	2.5
12	1.5	9.8	163	385	327	329	152	93	119	9.4	e2.1	2.7
13	1.2	13	156	459	1680	298	142	82	126	26	e2.0	3.4
14	.69	13	150	463	5270	274	135	74	117	10	e2.0	7.9
15	.50	19	143	439	10200	246	134	70	120	8.9	e1.9	6.8
16	.73	379	133	389	3290	218	124	63	123	9.7	e1.8	.12
17	.90	84	129	353	1330	201	115	64	113	6.0	e1.8	4.1
18	.90	524	123	327	990	278	111	205	98	26	e1.7	3.9
19	.82	4470	120	300	775	317	114	202	78	65	e1.7	3.3
20	1.1	4440	119	276	958	312	106	168	64	74	e1.7	2.6
21	1.1	1050	117	254	1230	353	99	139	50	56	e1.6	2.0
22	1.0	622	114	239	747	312	92	516	39	43	e1.6	1.5
23	1.3	460	142	228	547	284	86	637	31	33	e1.6	.93
24	2.0	368	168	218	457	261	81	371	28	57	e1.2	.39
25	2.5	319	164	294	398	241	76	269	27	48	e.80	.39
26	2.6	5060	159	2090	350	225	71	220	23	34	e.60	.14
27	2.9	1790	278	1090	312	289	65	327	24	61	e.40	.00
28	4.2	867	1650	765	281	437	59	243	20	62	e.30	.00
29	4.3	597	810	1190	---	1350	50	198	18	45	e.20	.00
30	4.9	465	597	848	---	1240	49	161	16	32	e.13	.64
31	5.0	---	495	654	---	759	---	134	---	29	.47	---
TOTAL	198.14	21619.2	8577	15218	35150	12454	5249	5072	2727	893.4	164.30	54.22
MEAN	6.39	721	277	491	1255	402	175	164	90.9	28.8	5.30	1.81
MAX	49	5060	1650	2090	10200	1350	553	637	233	74	24	7.9
MIN	.50	4.4	114	218	281	201	49	43	16	6.0	.13	.00
AC-FT	393	42880	17010	30180	69720	24700	10410	10060	5410	1770	326	108
CFSM	.04	4.87	1.87	3.32	8.48	2.71	1.18	1.11	.61	.19	.04	.01
IN.	.05	5.43	2.16	3.83	8.83	3.13	1.32	1.27	.69	.22	.04	.01

CAL YR 1988 TOTAL 84408.87 MEAN 231 MAX 5060 MIN .00 AC-FT 167400 CFSM 1.56 IN. 21.22
WTR YR 1989 TOTAL 107376.26 MEAN 294 MAX 10200 MIN .00 AC-FT 213000 CFSM 1.99 IN. 26.99

e Estimated

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.

LOCATION.--Lat 35°31'15", long 91°59'42", in SE ¼ sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi northwest of Heber Springs, 5.5 mi upstream from Canoe Creek, and at mile 79.0.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--October 1970 to September 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
17...	0940	80513	80020	0.0	41	7.8	20.0	9.0	6.00
17...	0942	80513	80020	10.0	41	7.5	20.0	8.9	--
17...	0944	80513	80020	20.0	41	7.4	20.0	8.7	--
17...	0946	80513	80020	30.0	41	7.3	20.0	8.5	--
17...	0948	80513	80020	40.0	42	7.2	19.5	8.2	--
17...	0950	80513	80020	43.0	41	6.9	18.5	6.9	--
17...	0952	80513	80020	45.0	41	6.8	17.5	6.2	--
17...	0954	80513	80020	46.0	41	6.7	16.5	5.8	--
17...	0956	80513	80020	49.0	42	6.6	15.0	5.4	--
17...	0958	80513	80020	50.0	42	6.6	14.5	5.4	--
17...	1000	80513	80020	53.0	41	6.5	13.5	5.4	--
17...	1002	80513	80020	60.0	42	6.5	12.0	5.5	--
17...	1004	80513	80020	65.0	43	6.5	11.5	5.7	--
17...	1006	80513	80020	70.0	44	6.5	11.0	6.0	--
17...	1008	80513	80020	80.0	42	6.5	10.0	6.5	--
17...	1010	80513	80020	90.0	45	6.5	9.0	6.8	--
17...	1012	80513	80020	100	44	6.5	8.5	6.7	--
17...	1014	80513	80020	110	44	6.5	8.5	6.2	--
17...	1016	80513	80020	120	45	6.5	8.0	5.6	--
17...	1018	80513	80020	130	44	6.4	8.0	5.1	--
17...	1020	80513	80020	140	46	6.4	8.0	4.9	--
17...	1022	80513	80020	144	46	6.4	8.0	4.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV									
14...	1130	80513	80020	0.0	43	6.7	15.5	9.0	8.20
14...	1131	80513	80020	10.0	43	6.8	15.5	9.1	--
14...	1132	80513	80020	20.0	43	6.8	15.5	9.0	--
14...	1133	80513	80020	30.0	42	6.8	15.5	9.0	--
14...	1134	80513	80020	40.0	43	6.8	15.5	9.0	--
14...	1135	80513	80020	50.0	43	6.8	15.5	9.0	--
14...	1136	80513	80020	52.0	44	6.5	15.0	5.2	--
14...	1137	80513	80020	53.0	44	6.4	14.0	4.8	--
14...	1138	80513	80020	56.0	45	6.3	13.0	4.9	--
14...	1139	80513	80020	60.0	45	6.3	12.0	4.9	--
14...	1140	80513	80020	65.0	45	6.3	11.5	5.2	--
14...	1141	80513	80020	70.0	45	6.3	11.0	5.3	--
14...	1142	80513	80020	80.0	45	6.3	10.0	6.0	--
14...	1143	80513	80020	90.0	45	6.4	9.0	6.3	--
14...	1144	80513	80020	100	45	6.4	8.5	6.3	--
14...	1145	80513	80020	110	46	6.4	8.5	5.9	--
14...	1146	80513	80020	120	47	6.4	8.0	5.1	--
14...	1147	80513	80020	130	48	6.3	8.0	4.4	--
14...	1148	80513	80020	140	48	6.3	8.0	4.3	--
14...	1149	80513	80020	144	51	6.3	7.5	3.1	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
12...	0945	80513	80020	0.0	41	8.0	11.0	9.7	4.50
12...	0946	80513	80020	10.0	41	7.8	11.0	9.5	--
12...	0947	80513	80020	20.0	41	7.7	11.0	9.3	--
12...	0948	80513	80020	30.0	41	7.7	11.0	9.3	--
12...	0949	80513	80020	40.0	41	7.6	11.0	9.2	--
12...	0950	80513	80020	50.0	41	7.6	11.0	9.1	--
12...	0951	80513	80020	60.0	41	7.6	11.0	9.2	--
12...	0952	80513	80020	70.0	41	7.5	11.0	9.2	--
12...	0953	80513	80020	80.0	42	7.5	11.0	8.1	--
12...	0954	80513	80020	90.0	44	7.3	9.5	4.9	--
12...	0955	80513	80020	100	45	7.2	9.0	5.0	--
12...	0956	80513	80020	110	45	7.1	8.5	4.3	--
12...	0957	80513	80020	120	46	7.0	8.0	3.8	--
12...	0958	80513	80020	130	46	7.0	8.0	3.2	--
12...	0959	80513	80020	140	48	6.9	8.0	3.0	--
12...	1000	80513	80020	150	47	6.8	8.0	2.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
16...	1400	80513	80020	0.0	39	6.7	9.0	10.6
16...	1401	80513	80020	3.00	40	6.7	9.0	10.4
16...	1402	80513	80020	10.0	40	6.8	9.0	10.3
16...	1403	80513	80020	20.0	41	6.8	9.0	10.1
16...	1404	80513	81213	25.0	40	6.9	9.0	10.1
16...	1405	80513	80020	30.0	41	6.8	9.0	10
16...	1406	80513	80020	40.0	41	6.8	9.0	10
16...	1407	80513	80020	50.0	41	6.8	9.0	9.9
16...	1408	80513	80020	60.0	41	6.8	9.0	9.9
16...	1409	80513	80020	70.0	41	6.8	9.0	9.9
16...	1410	80513	80020	80.0	41	6.8	9.0	9.8
16...	1411	80513	80020	90.0	42	6.8	9.0	9.9
16...	1412	80513	81213	100	41	6.8	8.5	9.8
16...	1413	80513	80020	110	40	6.8	8.5	9.9
16...	1414	80513	80020	120	41	6.8	8.5	9.8
16...	1415	80513	80020	130	41	6.8	8.5	8.6
16...	1416	80513	80020	140	46	6.6	8.5	4.6
16...	1417	80513	80020	150	46	6.4	8.5	2.5
16...	1418	80513	80020	153	46	6.3	8.5	2.3

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
16...	1400	7.30	0	--	--	--	--	--
16...	1404	--	--	<5	0.10	1.3	14	4.1
16...	1412	--	--	<5	0.30	1.5	14	4.1

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
16...	1401	--	--	0.080	<0.020	0.010	0.300	<0.100
16...	1404	0.90	13	0.070	0.060	0.010	--	--
16...	1412	0.90	13	0.080	<0.020	0.010	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
FEB									
13...	0935	80513	80020	0.0	35	8.1	8.0	13.7	5.30
13...	0936	80513	80020	10.0	35	8.0	7.5	13.5	--
13...	0937	80513	80020	20.0	35	7.9	7.5	13.4	--
13...	0938	80513	80020	30.0	36	7.9	7.5	12.0	--
13...	0939	80513	80020	40.0	36	7.8	7.5	12.0	--
13...	0940	80513	80020	50.0	36	7.8	7.5	11.8	--
13...	0941	80513	80020	60.0	36	7.8	7.5	11.8	--
13...	0942	80513	80020	70.0	35	7.6	7.5	11.8	--
13...	0943	80513	80020	80.0	35	7.6	7.5	11.6	--
13...	0944	80513	80020	90.0	35	7.6	7.5	11.6	--
13...	0945	80513	80020	100	35	7.6	7.5	11.6	--
13...	0946	80513	80020	110	35	7.5	7.5	11.6	--
13...	0947	80513	80020	120	34	7.5	7.0	11.6	--
13...	0948	80513	80020	130	34	7.5	7.0	11.6	--
13...	0949	80513	80020	140	34	7.5	7.0	10.9	--
13...	0950	80513	80020	150	35	7.4	7.0	10.8	--
13...	0951	80513	80020	153	35	7.4	7.0	10.7	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR									
13...	0935	80513	80020	0.0	40	7.6	10.5	11.6	5.20
13...	0936	80513	80020	5.00	40	7.6	9.0	11.2	--
13...	0937	80513	80020	10.0	39	7.6	8.0	11.2	--
13...	0938	80513	80020	20.0	39	7.6	7.0	10.9	--
13...	0939	80513	80020	30.0	40	7.5	7.0	10.9	--
13...	0940	80513	80020	40.0	39	7.5	7.0	10.8	--
13...	0941	80513	80020	50.0	40	7.5	7.0	10.8	--
13...	0942	80513	80020	60.0	41	7.5	7.0	10.8	--
13...	0943	80513	80020	70.0	39	7.5	7.0	10.8	--
13...	0944	80513	80020	80.0	41	7.4	7.0	10.8	--
13...	0945	80513	80020	90.0	41	7.4	7.0	10.8	--
13...	0946	80513	80020	100	40	7.4	7.0	10.8	--
13...	0947	80513	80020	110	42	7.4	7.0	10.8	--
13...	0948	80513	80020	120	41	7.4	7.0	10.8	--
13...	0949	80513	80020	130	41	7.4	7.0	10.8	--
13...	0950	80513	80020	140	41	7.4	7.0	10.8	--
13...	0951	80513	80020	150	41	7.4	7.0	10.7	--
13...	0952	80513	80020	160	43	7.4	6.5	10.6	--
13...	0953	80513	80020	165	42	7.4	7.0	10.5	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR									
10...	0915	80513	80020	0.0	40	7.1	12.5	11.0	4.90
10...	0916	80513	80020	10.0	40	7.2	12.5	10.8	--
10...	0917	80513	80020	20.0	41	7.3	12.5	10.6	--
10...	0918	80513	80020	30.0	40	7.3	12.5	10.5	--
10...	0919	80513	80020	31.0	40	7.3	11.5	10.4	--
10...	0920	80513	80020	34.0	41	7.2	10.5	10.6	--
10...	0921	80513	80020	40.0	41	7.2	10.0	10.6	--
10...	0922	80513	80020	50.0	41	7.2	9.0	10.5	--
10...	0923	80513	80020	60.0	41	7.2	8.5	10.5	--
10...	0924	80513	80020	70.0	41	7.1	8.5	10.5	--
10...	0925	80513	80020	80.0	41	7.1	8.0	10.5	--
10...	0926	80513	80020	90.0	43	7.1	8.0	10.5	--
10...	0927	80513	80020	100	40	7.1	7.5	10.4	--
10...	0928	80513	80020	110	42	7.1	7.0	10.3	--
10...	0929	80513	80020	120	42	7.1	7.0	10.3	--
10...	0930	80513	80020	130	42	7.1	6.5	10.2	--
10...	0931	80513	80020	140	42	7.0	6.5	10.2	--
10...	0932	80513	80020	150	42	7.0	6.5	10.1	--
10...	0933	80513	80020	160	42	7.0	6.5	10.1	--
10...	0934	80513	80020	166	43	7.0	6.5	9.7	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAY								
15...	1200	80513	80020	0.0	39	7.3	20.0	10.5
15...	1201	80513	80020	3.00	38	7.4	20.0	10.2
15...	1202	80513	80020	10.0	39	7.4	19.5	10
15...	1203	80513	80020	20.0	38	7.3	18.5	9.7
15...	1204	80513	81213	25.0	39	7.2	17.5	9.8
15...	1205	80513	80020	27.0	39	7.2	16.5	10.3
15...	1206	80513	80020	29.0	39	7.2	15.5	10.6
15...	1207	80513	80020	30.0	39	7.3	15.0	10.6
15...	1208	80513	80020	32.0	39	7.3	13.5	10.4
15...	1209	80513	80020	37.0	39	7.3	12.5	10
15...	1210	80513	80020	40.0	39	7.2	12.0	9.9
15...	1211	80513	80020	50.0	38	7.1	11.0	9.6
15...	1212	80513	80020	60.0	38	7.1	10.0	9.9
15...	1213	80513	80020	70.0	38	7.1	8.5	10.3
15...	1214	80513	80020	80.0	38	7.1	8.0	10.3
15...	1215	80513	80020	90.0	38	7.1	8.0	10.4
15...	1216	80513	81213	100	38	7.1	7.5	10.3
15...	1217	80513	80020	110	40	7.1	7.5	10.3
15...	1218	80513	80020	120	38	7.1	7.0	10.1
15...	1219	80513	80020	130	38	7.1	7.0	10.1
15...	1220	80513	80020	140	39	7.0	7.0	10.0
15...	1221	80513	80020	150	38	7.1	7.0	10
15...	1222	80513	80020	156	38	7.0	7.0	9.9

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
MAY								
15...	1200	5.20	0	--	--	--	--	--
15...	1204	--	--	<5	1.3	1.4	15	4.2
15...	1216	--	--	<5	3.8	1.0	15	4.3

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
15...	1201	--	--	<0.020	<0.020	0.010	0.500	<0.100
15...	1204	1.0	9	0.020	0.030	0.020	--	--
15...	1216	1.0	9	0.140	<0.020	0.020	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUN									
05...	0945	80513	80020	0.0	39	7.4	25.5	8.7	3.90
05...	0946	80513	80020	10.0	39	7.3	25.5	8.6	--
05...	0947	80513	80020	18.0	39	7.2	24.5	9.0	--
05...	0948	80513	80020	20.0	39	7.1	24.0	8.9	--
05...	0949	80513	80020	22.0	39	7.1	23.5	8.6	--
05...	0950	80513	80020	24.0	39	7.0	22.5	8.8	--
05...	0951	80513	80020	26.0	39	7.0	21.0	8.5	--
05...	0952	80513	80020	28.0	39	6.8	20.0	8.2	--
05...	0953	80513	80020	30.0	40	6.8	19.0	7.9	--
05...	0954	80513	80020	32.0	41	6.7	17.5	7.9	--
05...	0955	80513	80020	35.0	40	6.7	16.5	8.0	--
05...	0956	80513	80020	36.0	41	6.7	15.0	8.3	--
05...	0957	80513	80020	37.0	41	6.8	14.0	8.4	--
05...	0958	80513	80020	39.0	41	6.8	13.5	8.3	--
05...	0959	80513	80020	40.0	41	6.8	13.0	8.3	--
05...	1000	80513	80020	43.0	41	6.8	12.5	8.7	--
05...	1001	80513	80020	47.0	41	6.8	11.5	8.4	--
05...	1002	80513	80020	50.0	41	6.8	11.0	8.5	--
05...	1003	80513	80020	60.0	42	6.8	10.0	8.9	--
05...	1004	80513	80020	70.0	40	6.8	9.0	9.1	--
05...	1005	80513	80020	80.0	40	6.8	8.5	9.3	--
05...	1006	80513	80020	90.0	40	6.8	8.0	9.4	--
05...	1007	80513	80020	100	41	6.8	7.5	9.2	--
05...	1008	80513	80020	110	42	6.8	7.5	9.1	--
05...	1009	80513	80020	120	41	6.8	7.5	8.9	--
05...	1010	80513	80020	130	40	6.8	7.0	9.0	--
05...	1011	80513	80020	140	40	6.8	7.0	8.9	--
05...	1012	80513	80020	150	41	6.8	7.0	8.8	--
05...	1013	80513	80020	154	41	6.8	7.0	8.8	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUL									
11...	0900	80513	80020	0.0	40	6.7	29.5	7.7	6.50
11...	0901	80513	80020	10.0	40	6.8	29.0	7.5	--
11...	0902	80513	80020	16.0	41	6.8	28.0	8.0	--
11...	0903	80513	80020	18.0	40	6.9	27.5	8.1	--
11...	0904	80513	80020	20.0	40	6.9	27.0	8.3	--
11...	0905	80513	80020	22.0	40	7.0	26.0	8.5	--
11...	0906	80513	80020	25.0	40	7.2	24.5	9.0	--
11...	0907	80513	80020	27.0	41	7.3	23.5	9.1	--
11...	0908	80513	80020	29.0	41	7.0	22.5	8.4	--
11...	0909	80513	80020	30.0	41	6.9	21.0	7.9	--
11...	0910	80513	80020	31.0	41	6.8	20.5	7.6	--
11...	0911	80513	80020	32.0	41	6.7	19.5	7.3	--
11...	0912	80513	80020	34.0	41	6.6	18.0	7.0	--
11...	0913	80513	80020	35.0	42	6.6	17.0	6.8	--
11...	0914	80513	80020	36.0	43	6.6	16.0	6.8	--
11...	0915	80513	80020	37.0	41	6.6	15.5	6.9	--
11...	0916	80513	80020	39.0	42	6.7	14.5	7.0	--
11...	0917	80513	80020	40.0	41	6.7	14.5	7.1	--
11...	0918	80513	80020	42.0	42	6.7	13.5	7.1	--
11...	0919	80513	80020	46.0	42	6.8	12.5	7.1	--
11...	0920	80513	80020	50.0	44	6.8	11.5	7.2	--
11...	0921	80513	80020	56.0	42	6.8	11.0	7.4	--
11...	0922	80513	80020	60.0	42	6.8	10.5	7.6	--
11...	0923	80513	80020	70.0	42	6.9	9.5	7.9	--
11...	0924	80513	80020	80.0	42	6.9	8.5	8.1	--
11...	0925	80513	80020	90.0	42	6.9	8.0	8.2	--
11...	0926	80513	80020	100	42	6.9	8.0	8.2	--
11...	0927	80513	80020	110	44	6.9	7.5	8.0	--
11...	0928	80513	80020	120	42	6.9	7.5	7.8	--
11...	0929	80513	80020	130	43	6.9	7.5	7.6	--
11...	0930	80513	80020	140	45	6.8	7.5	7.6	--
11...	0931	80513	80020	150	43	6.8	7.5	7.4	--
11...	0932	80513	80020	158	42	6.8	7.5	7.3	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET (00003)	SPE-CIFIC CON-DUCT-ANCE US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG								
24...	1430	80513	80020	0.0	40	7.0	30.0	6.2
24...	1431	80513	80020	3.00	41	6.9	30.0	7.8
24...	1432	80513	80020	10.0	40	6.9	29.0	7.8
24...	1433	80513	80020	20.0	40	7.0	27.5	8.0
24...	1434	80513	81213	25.0	40	7.0	27.0	7.8
24...	1435	80513	80020	28.0	38	6.9	26.0	8.0
24...	1436	80513	80020	29.0	39	6.8	25.0	8.0
24...	1437	80513	80020	30.0	40	6.7	22.5	7.3
24...	1438	80513	80020	31.0	40	6.6	22.0	6.9
24...	1439	80513	80020	32.0	41	6.5	21.0	6.6
24...	1440	80513	80020	34.0	45	6.4	20.0	6.1
24...	1441	80513	80020	35.0	46	6.3	18.5	5.8
24...	1442	80513	80020	36.0	40	6.3	18.0	5.6
24...	1443	80513	80020	38.0	40	6.2	16.5	5.5
24...	1444	80513	80020	40.0	40	6.3	16.0	5.5
24...	1445	80513	80020	42.0	41	6.2	15.0	5.6
24...	1446	80513	80020	45.0	40	6.3	14.0	5.9
24...	1447	80513	80020	50.0	41	6.3	13.0	6.1
24...	1448	80513	80020	55.0	40	6.4	11.5	6.4
24...	1449	80513	80020	60.0	39	6.4	10.5	6.8
24...	1450	80513	80020	70.0	40	6.5	9.5	7.5
24...	1451	80513	80020	80.0	39	6.6	8.5	7.8
24...	1452	80513	80020	90.0	39	6.6	8.0	7.9
24...	1453	80513	81213	100	38	6.6	8.0	7.8
24...	1454	80513	80020	110	40	6.6	7.5	7.6
24...	1455	80513	80020	120	40	6.6	7.5	7.3
24...	1456	80513	80020	130	39	6.6	7.5	7.0
24...	1457	80513	80020	140	40	6.5	7.5	6.8
24...	1458	80513	80020	147	41	6.6	7.5	6.6

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
AUG								
24...	1430	4.00	1	--	--	--	--	--
24...	1434	--	--	<5	0.30	0.4	14	4.2
24...	1453	--	--	5	3.0	0.4	15	4.5

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG								
24...	1431	--	--	<0.020	<0.020	<0.010	0.300	<0.100
24...	1434	0.90	11	<0.020	<0.020	<0.010	--	--
24...	1453	0.90	11	0.170	0.040	<0.010	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP									
13...	1305	80513	80020	0.0	39	7.5	26.5	9.1	4.40
13...	1306	80513	80020	10.0	39	7.4	27.0	8.9	--
13...	1307	80513	80020	20.0	40	7.3	27.0	8.7	--
13...	1308	80513	80020	26.0	40	7.0	25.5	8.9	--
13...	1309	80513	80020	28.0	39	6.8	25.0	8.2	--
13...	1310	80513	80020	29.0	39	6.7	24.0	7.6	--
13...	1311	80513	80020	30.0	39	6.6	23.5	7.3	--
13...	1312	80513	80020	31.0	40	6.5	21.5	6.6	--
13...	1313	80513	80020	34.0	39	6.4	20.5	5.9	--
13...	1314	80513	80020	35.0	40	6.3	19.0	5.5	--
13...	1315	80513	80020	37.0	40	6.3	18.0	5.3	--
13...	1316	80513	80020	39.0	40	6.2	17.5	5.2	--
13...	1317	80513	80020	40.0	40	6.3	16.5	5.2	--
13...	1318	80513	80020	42.0	40	6.3	16.0	5.2	--
13...	1319	80513	80020	44.0	40	6.3	15.0	5.5	--
13...	1320	80513	80020	46.0	40	6.3	14.0	5.8	--
13...	1321	80513	80020	48.0	40	6.3	13.5	6.0	--
13...	1322	80513	80020	50.0	40	6.3	13.0	6.2	--
13...	1323	80513	80020	55.0	40	6.4	11.5	6.4	--
13...	1324	80513	80020	60.0	39	6.4	11.0	6.8	--
13...	1325	80513	80020	70.0	39	6.5	10.0	7.5	--
13...	1326	80513	80020	80.0	38	6.5	9.0	8.0	--
13...	1327	80513	80020	90.0	39	6.5	8.5	8.3	--
13...	1328	80513	80020	100	39	6.5	8.0	8.2	--
13...	1329	80513	80020	110	39	6.5	7.5	8.1	--
13...	1330	80513	80020	120	39	6.5	7.5	7.8	--
13...	1331	80513	80020	130	40	6.5	7.5	7.4	--
13...	1332	80513	80020	140	40	6.5	7.5	7.1	--
13...	1333	80513	80020	150	41	6.5	7.0	6.8	--

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARK.

LOCATION.--Lat 35°31'02", long 91°59'50", in NE ¼ sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs, and at mile 78.8.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--November 1949 to September 1952, water years 1955-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)
OCT 17...	0915	80513	80020	45	6.9	14.5	11.8	--	--	--
NOV 14...	1115	80513	80020	45	7.3	14.0	6.0	--	--	--
DEC 12...	0930	80513	80020	45	6.9	9.0	6.4	--	--	--
JAN 16...	1420	80513	81213	41	6.7	9.0	9.4	1	<5	0.40
FEB 13...	1015	80513	80020	34	7.5	7.5	13.4	--	--	--
MAR 13...	1015	80513	80020	40	7.4	7.0	11.4	--	--	--
APR 10...	1000	80513	80020	41	7.2	7.5	12.0	--	--	--
MAY 15...	1245	80513	81213	40	7.3	8.0	11.3	<3	<5	3.3
JUN 05...	1030	80513	80020	41	7.5	11.5	12.9	--	--	--
JUL 11...	0950	80513	80020	42	7.2	13.5	12.4	--	--	--
AUG 24...	1515	80513	81213	44	7.0	13.5	11.5	0	5	1.3
SEP 13...	1245	80513	80020	41	8.0	14.0	9.1	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
JAN 16...	1420	2.0	14	4.2	0.90	13	0.110	<0.020	0.010
MAY 15...	1245	1.1	15	4.4	1.0	98	0.140	<0.020	0.020
AUG 24...	1515	1.4	15	4.5	0.90	12	0.160	<0.020	<0.010

07076620 LITTLE RED RIVER NEAR SEARCY, ARK

LOCATION.--Lat 35°16'57", long 91°43'09", in NE¼NE¼ sec.35, T.8 N., R.7 W., White County, Hydrologic unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy, and at mile 31.7.

DRAINAGE AREA.--1,648 mi².

PERIOD OF RECORD.--May 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft above National Geodetic Vertical Datum of 1929. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated since Mar. 30, 1982, by Greers Ferry Lake 47.1 mi upstream, capacity, 2,926,500 acre-ft.

AVERAGE DISCHARGE.--6 years, 2,510 ft³/s, 1,818,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,300 ft³/s Nov. 27, 1984; maximum gage height, 35.92 ft Nov. 27, 1984; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft³/s May 9, but may have been greater during period of no gage-height record Nov. 19-25; minimum daily discharge, 11 ft³/s May 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	437	118	2240	5320	e7400	e3600	3760	8390	3260	e540	802	863
2	567	112	1890	5050	e7200	e3600	3420	6230	e2900	e540	449	507
3	424	107	1750	4830	e8400	e3600	3730	994	e3300	e600	381	564
4	836	206	1240	4900	e7400	e3600	4970	11	e1500	e670	382	481
5	901	460	2070	5120	e6600	e3000	4550	38	e1000	e400	910	446
6	413	374	1710	6360	e6600	e2500	4860	2260	e2500	e460	471	334
7	348	138	3890	5600	e6600	e3500	5030	474	e5000	e520	309	194
8	335	101	3920	3720	e6600	e3600	7280	1090	e3000	e460	288	630
9	229	106	4170	3090	e6600	e3600	6330	13100	e2000	e660	262	825
10	230	120	4470	5880	e6600	e3800	7860	7580	e1300	e450	250	391
11	246	111	900	2910	e5100	e4700	8740	5030	e1900	e630	178	411
12	230	248	351	5880	e4200	e5700	9050	6530	e900	827	198	214
13	235	177	1660	6080	e3700	e5200	8510	5370	e1700	768	295	318
14	245	166	2030	5020	e4800	e5000	8210	2710	e3000	442	229	429
15	177	167	1350	4800	e5600	3260	8220	3100	e2400	323	175	343
16	192	196	2010	4610	e7000	4630	8240	5320	e2000	221	240	630
17	186	400	1020	4800	e6300	6800	8190	4830	e2200	229	256	346
18	115	1860	490	4000	e3500	4720	8110	2850	e1600	230	179	238
19	90	e5500	231	3830	e2400	6690	8020	2620	e1300	363	235	210
20	90	e12000	194	3810	e2200	6980	8110	3300	e1000	1120	725	382
21	77	e7800	216	3310	e4500	7510	3640	2620	e960	451	337	326
22	76	e6400	612	1950	e4100	4020	4820	5310	e1100	1080	209	207
23	94	e5800	628	e1200	e3800	4250	1870	8430	e960	460	215	194
24	95	e7500	401	e3600	e4200	3990	1540	6690	e1100	489	319	208
25	703	e6800	323	e3000	e4000	5490	5720	6160	e940	477	235	254
26	1050	6220	281	e3200	e3700	5080	8160	3100	e850	292	248	213
27	250	11600	421	e3800	e3600	6460	8270	5230	e980	736	311	224
28	190	4560	4730	e4700	e3600	e7400	8320	3880	e1200	496	283	193
29	214	3110	7020	e5600	---	e6000	8330	2790	e800	903	282	195
30	163	1930	5660	e6600	---	e4100	8400	2420	e620	473	1220	252
31	131	---	5190	e7900	---	e3600	---	3880	---	501	485	---
TOTAL	9569	84387	63066	140470	146300	145980	194260	132337	53270	16811	11358	11022
MEAN	309	2813	2034	4531	5225	4709	6475	4269	1776	542	366	367
MAX	1050	12000	7020	7900	8400	7510	9050	13100	5000	1120	1220	863
MIN	76	101	194	1200	2200	2500	1540	11	620	221	175	193
AC-FT	18980	167400	125100	278600	290200	289600	385300	262500	105700	33340	22530	21860

CAL YR 1988 TOTAL 983450.00 MEAN 2687 MAX 18200 MIN .00 AC-FT 1951000
WTR YR 1989 TOTAL 1008830 MEAN 2764 MAX 13100 MIN 11 AC-FT 2001000

e Estimated

07076626 LITTLE RED RIVER ABOVE SEARCY, ARK.

LOCATION.--Lat 35°16'12", long 91°42'26", in SE ¼ SW ¼ sec.36, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, 1,200 ft downstream from lower dam at bridge on State Highway 367 at Searcy.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 11...	0850	9827	9827	246	8.1	14.0	3.0	10.0	0.7	3.0
NOV 08...	1630	9827	9827	101	7.0	13.0	3.5	9.7	1.0	2.5
DEC 13...	1450	9827	9827	1660	7.9	6.0	6.5	11.9	0.6	2.5
FEB 08...	0845	9827	9827	6600	7.9	6.0	3.5	11.5	0.6	2.5
MAR 15...	0900	9827	9827	3260	7.1	9.0	4.5	--	0.9	1.5
APR 12...	0850	9827	9827	9050	7.6	10.0	4.0	11.6	0.8	1.5
MAY 10...	0915	9827	9827	7580	6.9	16.0	60	7.9	2.1	1.9
JUN 28...	0915	9827	9827	1200	7.4	19.0	8.5	8.6	0.7	1.8
JUL 12...	0905	9827	9827	827	7.4	24.0	6.8	7.8	1.0	3.7
AUG 08...	1430	9827	9827	288	7.6	24.0	5.0	8.8	1.6	2.1
SEP 12...	0900	9827	9827	214	7.5	19.5	5.0	8.6	0.6	2.0

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT 11...	0850	5.0	50	1	0.080	0.150	0.0	0.10	0.020
NOV 08...	1630	7.0	32	2	0.020	0.010	0.29	0.30	0.040
DEC 13...	1450	3.0	36	4	0.220	<0.010	--	0.30	0.020
FEB 08...	0845	5.0	16	8	0.160	0.030	0.17	0.20	0.040
MAR 15...	0900	6.0	28	7	0.150	0.020	0.28	0.30	0.020
APR 12...	0850	5.0	34	6	0.090	<0.010	--	--	0.020
MAY 10...	0915	6.0	49	57	0.150	0.130	0.87	1.0	0.210
JUN 28...	0915	5.0	30	7	0.070	0.030	0.47	0.50	0.040
JUL 12...	0905	5.0	36	5	0.050	0.060	0.34	0.40	0.040
AUG 08...	1430	3.0	--	6	0.080	<0.050	--	0.47	0.040
SEP 12...	0900	4.0	29	6	--	0.100	0.34	0.44	0.030

07076626 LITTLE RED RIVER ABOVE SEARCY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	0850	0.010	<1	<1	--	<1	<0.50	20	2.5
NOV									
08...	1630	<0.010	<1	1	<15	<1	--	--	2.1
DEC									
13...	1450	<0.010	<1	<1	<15	5	--	10	1.7
FEB									
08...	0845	0.010	<1	<1	<15	<1	--	20	1.9
MAR									
15...	0900	0.010	1	<1	<15	3	--	10	2.1
APR									
12...	0850	<0.010	2	<1	20	1	--	30	2.1
MAY									
10...	0915	0.030	<1	1	<15	10	--	40	5.9
JUN									
28...	0915	<0.010	<1	<1	<15	1	--	30	3.0
JUL									
12...	0805	<0.030	<1	1	<15	1	--	10	3.1
AUG									
08...	1430	<0.030	<1	<1	<15	1	--	10	2.1
SEP									
12...	0900	0.060	<1	<1	<15	<2	--	<10	1.7

07076632 LITTLE RED RIVER BELOW SEARCY, ARK.

LOCATION.--Lat 35°15'19", long 91°40'34", in SW ¼ SW ¼ sec.5, T.7 N., R.6 W., White County, Hydrologic Unit 11010014, at bridge on State Highway 367, 2.2 mi east of Searcy, and 3.0 mi west of Judsonia.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
12...	0900	9827	9827	230	8.1	14.5	3.5	9.8	0.8	2.5
NOV										
08...	1645	9827	9827	101	7.0	14.0	4.0	9.2	1.5	4.0
DEC										
13...	1430	9827	9827	1660	7.6	7.0	6.5	11.7	0.6	2.5
FEB										
08...	0900	9827	9827	6600	7.8	6.5	4.0	11.5	0.6	2.5
MAR										
15...	0920	9827	9827	3260	6.8	9.0	4.5	--	0.8	2.0
APR										
12...	0905	9827	9827	9050	7.7	10.0	4.5	11.5	1.1	2.0
MAY										
10...	0935	9827	9827	7580	6.9	16.0	65	7.7	2.1	1.9
JUN										
28...	0945	9827	9827	1200	7.4	19.5	8.0	8.6	1.1	2.2
JUL										
12...	0925	9827	9827	827	7.4	24.0	8.0	7.7	0.9	4.1
AUG										
08...	1450	9827	9827	288	7.6	24.0	6.5	8.7	1.5	2.2
SEP										
12...	0920	9827	9827	214	7.4	20.0	6.0	7.7	0.7	2.4

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
12...	0900	5.0	58	3	0.080	0.050	0.45	0.50	0.040
NOV									
08...	1645	7.0	38	3	0.070	0.210	0.29	0.50	0.230
DEC									
13...	1430	4.0	33	4	0.240	0.020	0.38	0.40	0.050
FEB									
08...	0900	4.0	15	9	0.160	0.030	0.27	0.30	0.040
MAR									
15...	0920	6.0	15	5	0.150	0.150	2.9	3.0	0.020
APR									
12...	0905	5.0	37	5	0.090	<0.010	--	0.40	0.020
MAY									
10...	0935	7.0	51	53	0.150	0.160	0.70	0.86	0.140
JUN									
28...	0945	3.0	31	7	0.100	0.180	0.22	0.40	0.080
JUL									
12...	0925	6.0	40	14	0.060	0.090	0.51	0.60	0.050
AUG									
08...	1450	3.0	--	7	0.080	<0.050	--	0.67	0.060
SEP									
12...	0920	1.0	32	7	--	0.110	0.34	0.45	0.080

07076632 LITTLE RED RIVER BELOW SEARCY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
12...	0900	0.020	<1	<1	--	1	<0.50	30	2.7
NOV									
08...	1645	0.170	<1	8	16	2	--	--	2.7
DEC									
13...	1430	0.020	<1	<1	<15	4	--	20	1.9
FEB									
08...	0900	0.010	<1	<1	<15	<1	--	100	2.0
MAR									
15...	0920	0.020	1	1	<15	3	--	60	1.9
APR									
12...	0905	0.010	1	<1	20	1	--	20	2.2
MAY									
10...	0935	0.030	<1	<1	<15	6	--	40	6.4
JUN									
28...	0945	0.010	<1	<1	<15	6	--	40	2.7
JUL									
12...	0925	<0.030	<1	<1	<15	1	--	20	3.4
AUG									
08...	1450	<0.030	<1	<1	<15	3	--	30	2.0
SEP									
12...	0920	0.070	<1	<1	<15	<2	<0.40	<10	2.2

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.

LOCATION.--Lat 34°52'34", long 91°33'56", in SE ¼ SE ¼ sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301, at bridge on State Highway 11, 7.0 mi north of Hazen.

DRAINAGE AREA.--192 mi².

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
25.	1415	9827	9827	7.1	17.0	30	4.4	--	120
NOV									
29.	1425	9827	9827	7.7	10.0	50	7.6	1.1	4.0
DEC									
27.	1300	9827	9827	7.0	12.0	35	7.0	1.5	13
JAN									
10.	1430	9827	9827	7.6	7.0	90	9.4	1.0	5.5
FEB									
21.	1355	9827	9827	7.4	--	--	9.8	1.4	2.0
MAR									
28.	1345	9827	9827	7.4	21.0	45	6.1	2.7	6.5
APR									
18.	1230	9827	9827	7.5	19.0	15	6.3	2.9	11
MAY									
23.	1240	9827	9827	7.2	24.0	90	4.7	3.7	4.9
JUN									
27.	1350	9827	9827	7.4	26.0	30	4.2	1.7	12
JUL									
25.	1210	9827	9827	7.5	26.0	35	3.9	1.1	8.5
AUG									
22.	1315	9827	9827	7.7	29.0	--	4.8	--	26
SEP									
19.	1350	9827	9827	7.6	21.0	20	5.8	1.3	15

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
25.	1415	12	--	32	0.010	0.050	0.240	0.030
NOV								
29.	1425	5.0	66	9	0.020	0.050	0.180	0.150
DEC								
27.	1300	9.0	137	9	0.110	0.060	0.170	0.090
JAN								
10.	1430	9.0	134	25	0.110	0.090	0.190	0.170
FEB								
21.	1355	4.0	--	--	0.120	0.040	0.110	0.090
MAR								
28.	1345	--	113	31	0.270	0.110	0.150	0.040
APR								
18.	1230	--	123	16	<0.010	<0.010	--	<0.010
MAY								
23.	1240	10	115	72	0.280	0.060	0.260	0.160
JUN								
27.	1350	6.0	121	35	0.190	0.030	--	0.040
JUL								
25.	1210	5.0	118	30	0.470	0.070	0.170	0.040
AUG								
22.	1315	8.0	211	--	<0.020	<0.050	0.330	0.110
SEP								
19.	1350	10	116	18	0.210	--	0.140	0.040

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1415	1	<1	<15	16	<0.50	10	13
NOV								
29.	1425	<1	<1	<15	27	--	20	7.2
DEC								
27.	1300	<1	--	<15	--	--	<10	7.5
JAN								
10.	1430	<1	<1	<15	16	--	--	9.0
FEB								
21.	1355	<1	<1	<15	20	--	--	5.7
MAR								
28.	1345	--	1	<15	--	--	<10	9.8
APR								
18.	1230	<1	1	<15	15	--	<10	9.3
MAY								
23.	1240	<1	2	<15	21	--	50	9.9
JUN								
27.	1350	<1	<1	22	10	--	20	9.6
JUL								
25.	1210	<1	<1	21	--	--	10	8.0
AUG								
22.	1315	<1	<1	21	--	--	20	--
SEP								
19.	1350	<1	2	--	--	<0.40	<10	7.7

07077000 WHITE RIVER AT DEVALLS BLUFF, ARK.

LOCATION.--Lat 34°47'25", long 91°26'45", in SE¼ sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,431 mi².

PERIOD OF RECORD.--October 1927 to September 1945 (large part of floodflow above station overflowed into Cache River and was not included in the records), October 1949 to September 1970, October 1988 to current year. Monthly discharge only for some periods, published in WSP 1311. Daily stages for the period October 1970 to date published in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 152.93 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 22, 1933, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

COOPERATION.--Gage-height record was provided by the U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--22 years (water years, 1949-70, 1989), 26,050 ft³/s, 18,870,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 154,000 ft³/s Jan. 19-22, 1950; maximum gage height, 28.42 ft Jan. 20, 21, 1950; minimum discharge, 3,230 ft³/s Sept. 29 to Oct. 1, Oct. 29, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 23, 1927 reached a stage of 34.6 ft. Flood of Feb. 3, 1949, reached a stage of 31.35 ft, discharge, 220,000 ft³/s by current-meter measurement, furnished by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 141,000 ft³/s Feb. 23, gage height, 27.28 ft; minimum, 6,850 ft³/s Sept. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10000	11300	47500	25400	37000	113000	74600	53000	39500	22000	14000	12000
2	e11000	11200	46100	27700	39700	104000	74700	51300	38700	22400	14000	12000
3	e12000	10900	44400	29200	43500	96100	74000	49500	37100	22500	13600	11500
4	e11000	10800	43000	29100	47900	88800	73400	46900	35500	22900	12800	11400
5	10300	10500	41700	28300	50000	86500	72100	44200	33600	21600	12200	11800
6	10400	10100	40000	27600	51600	84700	69400	41700	31900	19200	12000	11300
7	10200	9250	38300	28200	53600	83900	66900	39400	30000	17500	12900	10600
8	9700	8210	36700	29800	55300	85100	65100	37700	29000	16900	13500	9930
9	9110	7440	34800	30700	56200	85400	63800	39800	28100	16800	13000	9400
10	9170	7150	32800	30900	56400	83400	62500	42500	26700	17300	12000	9260
11	9570	7070	31100	31000	56800	80100	61200	43200	25100	17800	10800	9930
12	9350	7170	28800	32000	57100	76300	60100	44100	23200	17800	9850	11000
13	8870	7260	26300	34600	57000	72800	59300	44100	21400	17500	8990	11100
14	8230	7380	24600	36500	60400	69700	58600	42800	20900	17600	8590	10500
15	8080	8540	22700	37600	61600	67600	58600	39800	22300	17900	8620	9870
16	8100	9490	20900	37300	63800	65500	58300	36100	24300	18500	8820	9340
17	8000	9290	19400	36600	66700	63500	58200	32300	25800	18700	8650	9060
18	7980	8760	18400	35800	77000	62500	58500	28200	26700	17700	8530	9090
19	7910	12900	18200	34600	95100	61400	58900	25000	27000	16100	8840	8990
20	7650	28300	18300	32800	116000	60700	59600	22500	26900	14400	9000	8780
21	7580	40300	17400	30900	130000	60600	60000	20600	26900	13500	8700	8610
22	8220	45700	16200	28900	139000	59700	60000	19600	27400	13000	8340	8760
23	9300	47200	15200	26700	140000	59200	59600	21000	28300	12700	8190	9000
24	10200	47600	14400	24900	138000	58500	58800	24000	28600	12400	8120	8730
25	10600	47600	13800	23200	135000	58100	57600	27100	27800	11900	8430	8140
26	10400	48700	13300	22100	129000	57700	56500	30700	26000	11600	9950	7580
27	9810	50000	12800	22100	127000	57900	55800	34000	23900	11300	10900	7210
28	9110	50100	14500	23600	126000	58700	55700	36800	22800	11400	10800	6950
29	8860	49800	17100	26400	---	63100	54900	38600	22300	12300	10200	6900
30	9320	48800	20000	30000	---	68200	54000	39300	22100	13000	10200	7050
31	10500	---	22800	33700	---	72300	---	39500	---	13600	11300	---
TOTAL	290520	678810	811500	928200	2266700	2265000	1860700	1135300	829800	509800	325850	285780
MEAN	9372	22630	26180	29940	80950	73060	62020	36620	27660	16450	10510	9526
MAX	12000	50100	47500	37600	140000	113000	74700	53000	39500	22900	14000	12000
MIN	7580	7070	12800	22100	37000	57700	54000	19600	20900	11300	8120	6900
AC-FT	576200	1346000	1610000	1841000	4496000	4493000	3691000	2252000	1646000	1011000	646300	566800

WTR YR 1989 TOTAL 12187960 MEAN 33390 MAX 140000 MIN 6900 AC-FT 24170000

e Estimated

07077000 WHITE RIVER AT DEVALLS BLUFF, ARK.--CONTINUED

LOCATION.--Lat 34°47'25", long 91°26'45", in SE ¼ sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,483 mi².

PERIOD OF RECORD.--December 1967 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1963 to September 1970.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEEY PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 25.	1330	9827	9827	10700	7.3	17.0	20	9.7	1.0
NOV 29.	1315	9827	9827	49700	7.6	11.0	65	8.3	0.8
DEC 27.	1220	9827	9827	12700	7.0	12.0	40	10.4	1.0
JAN 10.	1400	9827	9827	30900	7.7	9.0	30	10.9	0.8
FEB 21.	1325	9827	9827	146000	7.3	7.0	--	10.5	1.1
MAR 28.	1310	9827	9827	58300	8.0	17.0	20	10.3	1.0
APR 18.	1200	9827	9827	58400	8.0	18.0	25	10.3	1.1
MAY 23.	1210	9827	9827	20900	7.9	23.0	55	7.9	1.8
JUN 27.	1315	9827	9827	23800	8.0	25.0	25	7.5	0.7
JUL 25.	1145	9827	9827	11900	8.1	27.0	9.0	8.4	2.0
AUG 22.	1245	9827	9827	8320	8.4	28.0	--	7.6	1.9
SEP 19.	1315	9827	9827	8990	8.4	23.0	15	9.6	1.8

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 25.	1330	5.5	6.0	--	35	0.250	0.040	0.050	0.010
NOV 29.	1315	3.0	6.0	98	53	0.190	0.060	0.170	0.100
DEC 27.	1220	4.5	7.0	175	41	0.300	0.050	0.110	0.030
JAN 10.	1400	3.5	17	138	43	0.270	0.020	0.070	0.040
FEB 21.	1325	1.5	5.0	--	--	0.250	0.110	0.180	0.110
MAR 28.	1310	3.0	--	139	26	0.150	0.060	0.060	<0.010
APR 18.	1200	3.0	--	129	38	<0.010	<0.010	--	<0.010
MAY 23.	1210	3.9	11	140	69	0.160	<0.010	0.100	0.080
JUN 27.	1315	4.0	5.0	132	30	0.160	0.010	--	0.030
JUL 25.	1145	5.8	4.0	152	18	0.140	<0.050	0.100	<0.030
AUG 22.	1245	5.5	7.0	169	--	<0.020	<0.050	0.060	<0.030
SEP 19.	1315	5.9	7.0	173	31	0.140	--	0.080	<0.030

07077000 WHITE RIVER AT DEVALLS BLUFF, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25...	1330	<1	<1	<15	14	<0.50	10	5.1
NOV								
29...	1315	<1	29	<15	10	--	30	5.7
DEC								
27...	1220	<1	--	<15	--	--	<10	3.4
JAN								
10...	1400	<1	1	<15	8	--	40	4.7
FEB								
21...	1325	<1	<1	<15	11	--	--	5.1
MAR								
28...	1310	--	1	<15	--	--	<10	4.3
APR								
18...	1200	<1	<1	<15	36	--	<10	4.5
MAY								
23...	1210	<1	<1	<15	2	--	40	5.6
JUN								
27...	1315	<1	1	22	12	--	30	5.8
JUL								
25...	1145	<1	<1	21	--	--	10	4.4
AUG								
22...	1245	<1	2	64	--	--	50	--
SEP								
19...	1315	<1	1	--	--	<0.40	10	5.8

07077380 CACHE RIVER AT EGYPT, ARK.

LOCATION.--Lat 35°51'28", long 90°56'00", in NW¼SE¼ sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi southeast of Egypt, 2.2 mi northwest of Winesburg, and at mile 143.

DRAINAGE AREA.--701 mi^2.

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1972: 1966. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records poor.

AVERAGE DISCHARGE.--25 years, 850 ft^3/s, 16.47 in/yr, 615,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s Jan. 6, 1966, gage height, 21.88 ft; no flow Nov. 6-11, 16, 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6,000 ft^3/s Feb. 21; minimum, 8.5 ft^3/s May 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2620	54	4430	2370	1840	e4200	2630	e64	189	621	369	596
2	3250	40	4270	1800	1390	e4100	2290	e60	93	970	457	694
3	3280	35	4060	1160	2980	e4000	2020	e56	346	1010	486	830
4	3180	34	3820	775	e2800	e4500	3020	e52	437	618	349	642
5	2970	e50	3590	587	e2700	e5000	3180	e49	743	338	238	408
6	2620	e90	3350	1680	e2500	e5400	3050	e46	998	203	179	323
7	2030	e78	2980	2100	e2400	e5300	2810	e45	838	217	145	287
8	1100	60	2490	2110	2180	e5100	2560	e70	610	212	117	286
9	472	43	2070	1830	1920	e5000	2230	130	356	162	118	288
10	258	35	1700	1250	1530	4850	2040	170	188	131	121	488
11	160	33	1340	747	1250	4660	1840	120	111	109	133	576
12	119	58	1020	2020	1060	4450	1640	e70	1260	99	165	530
13	87	128	791	3160	1200	4270	1350	e37	2430	232	187	463
14	65	91	583	3210	3140	4040	1100	e21	2750	242	205	788
15	47	75	428	3250	4060	3840	938	e12	2710	183	198	1310
16	40	78	328	3070	4840	3610	738	e13	2540	164	198	1210
17	32	59	263	2680	5260	3380	467	11	2310	162	215	869
18	26	575	203	2210	5500	3220	353	20	2100	159	230	551
19	41	3770	165	1880	e5600	3000	272	18	2250	209	245	362
20	30	4580	144	1520	e5800	2760	227	18	2100	264	260	254
21	28	4800	137	1180	e6000	2840	182	23	1820	242	257	183
22	e21	4800	116	853	e5700	2800	137	677	1450	252	268	140
23	e50	4760	104	506	e5200	2470	e110	2350	990	325	267	112
24	e100	4680	91	311	e4800	2110	e100	2460	746	291	281	97
25	e94	4530	79	239	e4600	1830	e95	1800	772	241	304	93
26	e84	4610	72	1330	e4500	1510	e90	898	721	287	301	e84
27	e72	4850	151	2340	e4400	1190	e83	1510	1120	386	497	e76
28	e60	4820	2570	2230	e4300	1040	e78	1930	974	340	474	e69
29	92	4710	3250	2410	---	2210	e73	1320	704	271	401	e62
30	159	4580	3200	2580	---	2520	e68	607	664	233	366	e65
31	94	---	2880	2250	---	2720	---	306	---	407	425	---
TOTAL	23281	57106	50675	55638	99450	107920	35771	14963	35320	9580	8456	12736
MEAN	751	1904	1635	1795	3552	3481	1192	483	1177	309	273	425
MAX	3280	4850	4430	3250	6000	5400	3180	2460	2750	1010	497	1310
MIN	21	33	72	239	1060	1040	68	11	93	99	117	62
AC-FT	46180	113300	100500	110400	197300	214100	70950	29680	70060	19000	16770	25260
CFSM	1.07	2.72	2.33	2.56	5.07	4.97	1.70	.69	1.68	.44	.39	.61
IN.	1.24	3.03	2.69	2.95	5.28	5.73	1.90	.79	1.87	.51	.45	.68

CAL YR 1988 TOTAL 325674 MEAN 890 MAX 4850 MIN 16 AC-FT 646000 CFSM 1.27 IN. 17.28
WTR YR 1989 TOTAL 510896 MEAN 1400 MAX 6000 MIN 11 AC-FT 1013000 CFSM 2.00 IN. 27.11

e Estimated

07077500 CACHE RIVER AT PATTERSON, ARK.

LOCATION.--Lat 35°16'10", long 91°14'15", in SE ¼ sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 mi^2.

PERIOD OF RECORD.--October 1952 to May 1955, October 1975 to current year.

REMARKS.--Discharge computed by U. S. Geological Survey.

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: April 1987 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 606 mg/L May 7, 1987; minimum daily mean, 18 mg/L October 31, 1987.
SEDIMENT LOADS: Maximum daily, 3,660 tons, March 8, 1989; minimum daily, .44 tons, Oct. 17, 1987.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 270 mg/L May 25, 1989; minimum daily mean, 25 Oct. 10, 1988. October 31, 1987.
SEDIMENT LOADS: Maximum daily, 3,660 tons, March 8, 1989; minimum, 6.8 tons, Nov. 8, 1988.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
18...	0945	80513	80020	329	--	175	6.9	17.0	6.0	62
18...	1245	80513	80513	326	0.09	--	--	17.0	6.0	--
NOV										
18...	1145	80513	80513	191	--	--	--	9.0	--	--
19...	0800	80513	80513	1570	--	--	--	8.0	--	--
20...	1000	80513	80513	6970	--	--	--	8.5	--	--
21...	1130	80513	80513	8410	--	--	--	9.0	--	--
22...	1110	80513	80513	8220	--	--	--	8.0	--	--
29...	1115	80513	80513	8790	0.12	71	6.9	9.0	8.8	77
DEC										
06...	1100	80513	80020	5430	--	89	7.0	6.5	8.7	70
19...	1430	80513	80513	1240	0.18	--	--	3.0	11.2	--
JAN										
23...	1215	80513	80513	2180	0.09	77	6.7	5.0	10.8	85
FEB										
21...	1500	80513	80513	7550	0.09	43	6.8	6.0	10.2	83
28...	1000	80513	80020	5300	--	59	6.9	4.5	11.7	90
MAR										
22...	1130	80513	80513	4060	0.06	53	6.9	9.0	9.2	79
APR										
12...	0945	80513	80513	2460	0.06	70	7.0	11.0	8.2	74
18...	1000	80513	80020	1480	0.06	79	6.6	17.0	7.2	75
MAY										
24...	1345	80513	80513	422	0.06	91	6.6	24.0	4.0	48
JUN										
13...	0900	80513	80020	645	0.06	102	7.2	23.5	5.1	61
26...	1315	80513	80513	1460	0.09	110	6.4	26.5	5.1	64
JUL										
25...	1140	80513	80513	628	0.15	238	7.5	25.0	5.0	60
AUG										
22...	1315	80513	80513	326	0.21	418	8.0	28.0	5.5	71
29...	1100	80513	80020	416	0.06	438	7.9	28.0	4.5	58
SEP										
25...	1030	80513	80513	447	0.15	310	7.9	16.5	7.3	75

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT										
18...	0945	1.0	762	K130	K120	62	15	6.0	10	24
18...	1245	--	760	--	--	--	--	--	--	--
NOV										
29...	1115	--	758	--	--	--	--	--	--	--
DEC										
06...	1100	1.2	765	K160	K90	27	6.2	2.8	5.6	28
19...	1430	--	758	--	--	--	--	--	--	--
JAN										
23...	1215	--	761	--	--	--	--	--	--	--
FEB										
21...	1500	--	755	--	--	--	--	--	--	--
28...	1000	0.9	762	K120	K180	14	3.4	1.4	3.4	33
MAR										
22...	1130	--	764	--	--	--	--	--	--	--
APR										
12...	0945	--	764	--	--	--	--	--	--	--
18...	1000	1.7	758	K100	290	32	7.9	3.1	4.9	24
MAY										
24...	1345	--	751	--	--	--	--	--	--	--
JUN										
13...	0900	2.6	756	280	1500	32	8.0	2.9	7.3	32
26...	1315	--	755	--	--	--	--	--	--	--
JUL										
25...	1140	--	765	--	--	--	--	--	--	--
AUG										
22...	1315	--	756	--	--	--	--	--	--	--
29...	1100	2.1	758	320	630	180	46	15	22	21
SEP										
25...	1030	--	760	--	--	--	--	--	--	--

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
18...	0945	0.6	5.0	71	11	14	0.10	105	0.14	92.8
DEC										
06...	1100	0.5	3.1	31	6.7	23	0.10	67	0.09	977
FEB										
28...	1000	0.4	0.60	15	3.3	24	0.10	46	0.06	658
APR										
18...	1000	0.4	1.1	32	3.7	2.3	0.10	44	0.06	174
JUN										
13...	0900	0.6	1.4	35	5.6	7.0	0.20	57	0.08	98.7
AUG										
29...	1100	0.7	2.5	196	10	15	0.20	229	0.31	257

DATE	TIME	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)
OCT										
18...	0945	--	<0.010	0.110	0.030	0.040	0.67	0.70	0.130	0.100
DEC										
06...	1100	--	0.030	<0.100	0.070	0.030	0.83	0.90	0.230	0.160
FEB										
28...	1000	0.080	0.030	0.110	0.110	0.040	0.89	1.0	0.190	0.110
APR										
18...	1000	0.160	0.030	0.190	0.090	0.050	0.91	1.0	0.250	0.160
JUN										
13...	0900	0.660	0.020	0.680	0.070	0.020	0.73	0.80	0.190	0.090
AUG										
29...	1100	--	<0.010	0.150	0.020	0.020	0.28	0.30	0.150	0.090

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)
OCT										
18...	0945	--	30	--	--	--	--	--	--	--
DEC										
06...	1100	--	20	--	--	--	--	--	--	--
FEB										
28...	1000	--	20	--	--	--	--	--	--	--
APR										
18...	1000	--	30	--	--	--	--	--	--	--
JUN										
13...	0900	--	40	--	--	--	--	--	--	--
AUG										
29...	1100	2	40	<1	1	1	7	1200	2	4

DATE	TIME	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
18...	0945	--	--	--	--	--	42	37	87
18...	1245	--	--	--	--	--	67	59	--
NOV									
18...	1145	--	--	--	--	--	111	57	--
19...	0800	--	--	--	--	--	116	492	--
20...	1000	--	--	--	--	--	114	2150	--
21...	1130	--	--	--	--	--	93	2110	--
22...	1110	--	--	--	--	--	89	1980	--
DEC									
06...	1100	--	--	--	--	--	55	806	90
FEB									
28...	1000	--	--	--	--	--	62	887	98
APR									
18...	1000	--	--	--	--	--	129	515	81
JUN									
13...	0900	--	--	--	--	--	170	296	87
AUG									
29...	1100	140	<0.10	1	<1	10	78	88	72

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	1230	36	120	92	86	21	7280	52	1020
2	1490	30	121	77	85	18	6580	51	906
3	1570	32	136	72	85	17	6120	60	991
4	1550	31	130	86	81	19	5840	49	773
5	1790	34	164	121	67	22	5640	41	624
6	2130	40	230	164	96	43	5470	48	709
7	2380	40	257	154	97	40	5310	39	559
8	2510	29	197	123	83	28	5180	44	615
9	2540	26	178	98	86	23	5040	44	599
10	2460	25	166	76	85	17	4820	42	547
11	2240	25	151	59	72	11	4540	35	429
12	1830	28	138	48	72	9.3	4150	34	381
13	1370	35	129	40	63	6.8	3700	34	340
14	1010	36	98	41	64	7.1	3170	26	223
15	740	41	82	52	64	9.0	2630	30	213
16	549	47	70	83	78	17	2170	32	187
17	424	52	60	131	91	32	1800	29	141
18	331	46	41	264	109	78	1490	31	125
19	268	56	41	2460	132	877	1240	32	107
20	201	66	36	7090	143	2740	1050	36	102
21	145	65	25	8330	101	2270	974	51	134
22	110	74	22	8210	93	2060	890	34	82
23	99	79	21	8120	93	2040	839	52	118
24	119	79	25	7850	94	1990	847	71	162
25	127	69	24	7340	92	1820	793	84	180
26	119	78	25	8190	74	1640	644	77	134
27	102	80	22	9120	67	1650	552	62	92
28	91	59	14	9230	63	1570	1110	101	303
29	103	96	27	8790	59	1400	1770	124	593
30	109	91	27	8120	58	1270	1970	86	457
31	105	91	26	---	---	---	2000	88	475
TOTAL	29842	---	2803	94631	---	21745.2	95609	---	12321

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	2270	94	576	1990	78	419	5230	99	1400
2	2580	97	676	2100	78	442	5140	88	1220
3	2720	81	595	3080	76	632	5030	87	1180
4	2690	85	617	3640	62	609	4930	117	1560
5	2540	80	549	3430	72	667	5490	122	1810
6	2420	75	490	2980	79	636	6400	150	2590
7	2160	68	397	2810	109	827	6860	166	3070
8	1830	58	287	2870	109	845	6680	203	3660
9	1750	58	274	2940	85	675	6280	207	3510
10	1830	87	430	2900	65	509	5820	162	2550
11	1980	89	476	2710	60	439	5600	168	2540
12	2270	91	558	2380	54	347	5410	143	2090
13	2900	95	744	2180	52	306	5250	107	1520
14	3210	124	1070	2610	60	423	5140	143	1980
15	3380	139	1270	3560	73	702	5080	155	2130
16	3560	126	1210	5160	80	1110	5010	130	1760
17	3450	106	987	6030	82	1340	4890	127	1680
18	3270	99	874	6420	61	1060	4770	152	1960
19	3200	108	933	6500	47	825	4620	151	1880
20	3060	87	719	6690	62	1120	4530	183	2240
21	2780	98	736	7440	87	1750	4420	194	2320
22	2440	73	481	7530	95	1930	4070	177	1950
23	2190	70	414	7220	90	1750	3750	182	1840
24	1890	85	434	6490	81	1420	3370	222	2020
25	1610	92	400	5870	68	1080	3120	212	1790
26	1480	101	404	5560	96	1440	2950	189	1510
27	1410	94	358	5450	113	1660	2810	221	1680
28	1320	78	278	5330	93	1340	2550	199	1370
29	1280	69	238	---	---	---	2750	191	1420
30	1540	69	287	---	---	---	2940	177	1410
31	1810	83	406	---	---	---	2730	137	1010
TOTAL	72820	---	18168	123870	---	26303	143620	---	60650

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	2420	147	960	202	117	64	1330	187	672
2	2350	170	1080	170	114	52	1250	189	638
3	2370	169	1080	149	112	45	994	193	518
4	2770	137	1020	136	106	39	816	190	419
5	3180	156	1340	123	107	36	703	200	380
6	3070	167	1380	111	111	33	621	193	324
7	2750	139	1030	102	109	30	601	193	313
8	2600	169	1190	99	103	28	621	187	314
9	2600	181	1270	202	144	79	674	177	322
10	2600	159	1120	288	159	124	744	177	356
11	2550	139	957	262	143	101	764	179	369
12	2440	109	718	210	168	95	703	184	349
13	2320	96	601	157	162	69	645	217	378
14	2140	107	618	130	151	53	642	213	369
15	2000	103	556	136	144	53	706	206	393
16	1800	96	467	139	172	65	974	211	555
17	1630	112	493	131	189	67	1480	224	895
18	1470	103	409	114	149	46	1830	204	1010
19	1310	97	343	95	103	26	2010	126	684
20	1140	117	360	82	91	20	2040	127	700
21	944	115	293	80	87	19	2010	132	716
22	832	115	258	150	139	56	1910	89	459
23	703	112	213	344	263	244	1840	128	636
24	628	114	193	420	232	263	1770	130	621
25	537	114	165	480	270	350	1650	115	512
26	463	123	154	638	268	462	1450	111	435
27	394	127	135	1140	130	400	1220	97	320
28	344	124	115	1750	130	614	1030	99	275
29	292	112	88	1750	100	472	913	94	232
30	250	107	72	1440	132	513	894	92	222
31	---	---	---	1340	169	611	---	---	---
TOTAL	50897	---	18678	12570	---	5129	34835	---	14386

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	1020	85	234	400	63	68	476	59	76
2	1060	81	232	404	62	68	542	50	73
3	1040	80	225	429	57	66	577	52	81
4	956	83	214	508	64	88	611	60	99
5	914	84	207	590	58	92	628	63	107
6	911	85	209	619	63	105	647	62	108
7	938	79	200	615	56	93	677	59	108
8	908	71	174	572	52	80	686	62	115
9	769	79	164	508	53	73	672	67	122
10	650	86	151	442	68	81	626	70	118
11	574	81	126	384	76	79	569	69	106
12	507	89	122	329	73	65	507	75	103
13	468	97	123	287	75	58	460	80	99
14	449	118	143	258	77	54	471	75	95
15	452	91	111	247	81	54	552	74	110
16	407	87	96	250	76	51	632	64	109
17	347	109	102	265	69	49	674	64	116
18	318	91	78	284	60	46	749	62	125
19	317	93	80	299	55	44	880	60	143
20	335	93	84	309	55	46	980	59	156
21	420	81	92	318	59	51	968	55	144
22	591	85	136	327	59	52	856	61	141
23	685	105	194	337	54	49	698	63	119
24	674	116	211	352	57	54	581	56	88
25	633	87	149	379	49	50	476	65	84
26	584	81	128	405	50	55	390	60	63
27	526	79	112	417	50	56	316	63	54
28	485	72	94	421	54	61	252	59	40
29	443	62	74	415	55	62	204	72	40
30	410	66	73	414	59	66	190	62	32
31	399	66	71	431	60	70	---	---	---
TOTAL	19190	---	4409	12215	---	1986	17547	---	2974
YEAR	707646		189552.2						

07077555 CACHE RIVER NEAR COTTON PLANT, ARK.

LOCATION.--Lat 35°02'07", long 91°19'19", in SE¼SW¼ sec.21, T.5 N., R.3 W., Woodruff County, Hydrologic Unit 08020302, on left bank on downstream side of bridge on county road, 1.4 mi upstream from Roaring Slough, and 4.2 mi northwest of Cotton Plant.

DRAINAGE AREA.--1,172 mi², of which an estimated 20 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 164.17 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,950 ft³/s Dec. 28, 1987, gage height, 20.22 ft, from floodmarks; minimum daily, 25 ft³/s Oct. 22-24, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,420 ft³/s Nov. 28, gage height, 19.85 ft; minimum daily, 89 ft³/s Nov. 15.

REVISIONS.--The maximum discharge for the water year 1988 has been revised to 9,950 ft³/s, Dec. 28, 1987, gage height, 20.22 ft, from floodmarks; revised daily discharges, in cubic feet per second, for December 1987 and January 1988, are given below. These figures supersede those published in the report for 1988.

Dec. 26......5,950
27......8,730
28......9,770
29......9,730
30......9,380
31......8,970

Jan. 01......8,690
02......8,340
03......7,960
04......7,600
05......7,260
06......6,960

Jan. 07......6,770
08......6,330
09......6,010
10......5,870
11......5,730
12......5,650

Jan. 13......5,540
14......5,430
15......5,050
16......4,780
17......4,510

	TOTAL	MEAN	MAX	MIN	(ft³/s)mi²	IN
December 1987	93,517	3,017	9,770	949	2.57	2.97
January 1988	165,110	5,326	8,690	3,450	4.54	5.24
Wtr Yr 1988	486,672	1,330	9,770	25	1.13	15.45

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	725	158	8130	2180	2360	6770	3980	784	1300	1650	468	414
2	839	149	7860	2260	2330	6530	3770	648	1390	1580	432	500
3	941	139	7530	2340	2580	6320	3570	524	1460	1530	412	533
4	1020	128	7190	2460	3000	6220	3550	412	1480	1480	398	545
5	1080	120	6800	2590	3380	6680	3520	351	1500	1420	392	547
6	1140	117	6480	2740	3640	6910	3530	318	1510	1340	402	550
7	1200	122	6220	2830	3750	7040	3550	283	1490	1290	436	573
8	1320	139	6010	2900	3790	7150	3520	271	1440	1270	475	581
9	1480	152	5800	2880	3750	7230	3450	929	1330	1250	504	591
10	1620	151	5600	2780	3700	7170	3380	1130	1190	1250	516	611
11	1760	138	5450	2670	3680	7000	3300	1090	1080	1190	501	619
12	1880	125	5250	2640	3950	6810	3250	992	999	1110	472	616
13	1950	118	5040	2690	3620	6590	3190	866	945	1030	428	612
14	1980	103	4820	2850	4200	6350	3150	735	914	915	384	660
15	1940	89	4570	3080	4770	6210	3100	603	897	812	332	652
16	1850	106	4240	3310	5370	6010	3020	483	862	732	292	624
17	1720	148	3920	3490	5970	5830	2920	393	827	666	261	593
18	1580	177	3600	3620	6620	5740	2790	339	827	611	248	582
19	1440	1050	3350	3720	7020	5590	2670	311	919	562	248	596
20	1230	1930	3130	3760	7510	5480	2510	305	1080	512	255	616
21	1050	2810	2930	3740	8060	5400	2360	340	1280	466	264	640
22	862	4120	2700	3680	8180	5170	2220	555	1500	434	269	686
23	700	5500	2520	3590	8160	4960	2070	804	1630	442	291	744
24	559	6360	2350	3490	7990	4690	1910	818	1720	493	342	773
25	402	6830	2190	3350	7760	4430	1770	798	1780	548	348	774
26	275	7630	2040	3240	7470	4200	1630	760	1810	594	341	748
27	203	8200	1920	3090	7310	4070	1480	724	1810	617	337	697
28	186	8370	1970	2930	7040	3910	1270	721	1810	616	351	631
29	197	8360	2000	2780	---	3960	1080	788	1770	597	387	557
30	190	8320	2030	2610	---	4020	920	965	1700	562	409	511
31	172	---	2100	2460	---	4090	---	1140	---	514	409	---
TOTAL	33491	71859	135740	92750	146660	178530	82430	20180	40250	28083	11604	18376
MEAN	1080	2395	4379	2992	5238	5759	2748	651	1342	906	374	613
MAX	1980	8370	8130	3760	8180	7230	3980	1140	1810	1650	516	774
MIN	172	89	1920	2180	2330	3910	920	271	827	434	248	414
AC-FT	66430	142500	269200	184000	290900	354100	163500	40030	79840	55700	23020	36450
CFSM	.92	2.04	3.74	2.55	4.47	4.91	2.34	.56	1.14	.77	.32	.52
IN.	1.06	2.28	4.31	2.94	4.66	5.67	2.62	.64	1.28	.89	.37	.58

CAL YR 1988 TOTAL 613102 MEAN 1675 MAX 8690 MIN 47 AC-FT 1216000 CFSM 1.43 IN. 19.46
WTR YR 1989 TOTAL 859953 MEAN 2356 MAX 8370 MIN 89 AC-FT 1706000 CFSM 2.01 IN. 27.30

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--April 1987 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 597 mg/L April 16, 1987; minimum daily mean, 7 mg/L October 15, 1988.
SEDIMENT LOADS: Maximum daily, 2,810 tons, March 13, 1989; minimum daily, 16 tons, November 7, 1988.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 336 mg/L, May 9; minimum daily mean, 7 mg/L Oct. 15, 1988.
SEDIMENT LOADS: Maximum daily, 2,810 tons, March 13, 1989; minimum daily, 16 tons, November 7,1988.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	725	40	78	158	53	23	8130	26	571
2	839	29	66	149	60	24	7860	33	700
3	941	15	38	139	55	21	7530	33	671
4	1020	15	41	128	49	17	7190	33	641
5	1080	13	38	120	55	18	6800	32	588
6	1140	18	55	117	56	18	6480	24	420
7	1200	22	71	122	48	16	6220	33	554
8	1320	18	64	139	46	17	6010	37	600
9	1480	15	60	152	56	23	5800	47	736
10	1620	15	66	151	68	28	5600	46	696
11	1760	12	57	138	68	25	5450	43	633
12	1880	12	61	125	68	23	5250	37	524
13	1950	17	90	118	74	24	5040	33	449
14	1980	10	53	103	68	19	4820	41	534
15	1940	7	37	89	75	18	4570	43	531
16	1850	9	45	106	81	23	4240	36	412
17	1720	12	56	148	69	28	3920	39	413
18	1580	10	43	177	94	45	3600	35	340
19	1440	15	58	1050	198	561	3350	41	371
20	1230	22	73	1930	92	479	3130	46	389
21	1050	18	51	2810	60	455	2930	45	356
22	862	24	56	4120	50	556	2700	40	292
23	700	20	38	5500	45	668	2520	37	252
24	559	28	42	6360	41	704	2350	47	298
25	402	38	41	6830	40	738	2190	50	296
26	275	38	28	7630	35	721	2040	47	259
27	203	49	27	8200	33	731	1920	49	254
28	186	54	27	8370	31	701	1970	55	293
29	197	38	20	8360	33	745	2000	59	319
30	180	44	23	8320	29	651	2030	48	263
31	172	52	24	---	---	---	2100	50	283
TOTAL	33491	---	1527	71859	---	8120	135740	---	13938

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	2180	45	265	2360	41	261	6770	67	1220
2	2260	45	275	2330	43	271	6530	65	1150
3	2340	57	360	2580	56	390	6320	67	1140
4	2460	50	332	3000	57	462	6220	65	1090
5	2590	52	364	3380	60	548	6680	81	1460
6	2740	58	429	3640	47	462	6910	68	1270
7	2830	51	390	3750	46	466	7040	70	1330
8	2900	58	454	3790	47	481	7150	75	1450
9	2880	49	381	3750	54	547	7230	94	1830
10	2780	45	338	3700	39	390	7170	125	2420
11	2670	33	238	3680	60	596	7000	89	1680
12	2640	38	271	3650	70	690	6810	126	2320
13	2690	49	356	3620	24	235	6590	158	2810
14	2850	40	308	4200	51	578	6350	90	1540
15	3080	44	366	4770	40	515	6210	141	2360
16	3310	47	420	5370	31	449	6010	141	2290
17	3490	55	518	5970	30	484	5830	141	2220
18	3620	59	577	6620	35	626	5740	91	1410
19	3720	67	673	7020	34	644	5590	93	1400
20	3760	68	690	7510	50	1010	5480	122	1810
21	3740	61	616	8060	42	914	5400	96	1400
22	3680	62	616	8180	73	1610	5170	88	1230
23	3590	60	582	8160	66	1450	4960	82	1100
24	3490	47	443	7990	98	2110	4690	118	1490
25	3350	59	534	7760	66	1380	4430	128	1530
26	3240	49	429	7470	72	1450	4200	149	1690
27	3090	50	417	7310	65	1280	4070	109	1200
28	2930	52	411	7040	76	1440	3910	140	1480
29	2780	37	278	---	---	---	3960	188	2010
30	2610	34	240	---	---	---	4020	131	1420
31	2460	49	325	---	---	---	4090	167	1840
TOTAL	92750	---	12896	148660	---	21739	178530	---	50590

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	3980	106	1140	784	121	256	1300	164	576
2	3770	125	1270	648	162	283	1390	151	567
3	3570	137	1320	524	148	209	1460	169	666
4	3550	127	1220	412	141	157	1480	185	739
5	3520	102	969	351	150	142	1500	186	753
6	3530	135	1290	318	145	124	1510	172	701
7	3550	150	1440	283	146	112	1490	149	599
8	3520	130	1240	271	161	118	1440	142	552
9	3450	125	1160	929	336	843	1330	149	535
10	3380	96	876	1130	277	845	1190	168	540
11	3300	136	1210	1090	172	506	1080	128	373
12	3250	94	825	992	155	415	999	133	359
13	3190	242	2080	866	142	332	945	141	360
14	3150	251	2130	735	148	294	914	154	380
15	3100	238	1990	603	170	277	897	153	371
16	3020	240	1960	483	166	216	862	128	298
17	2920	180	1420	393	176	187	827	161	359
18	2790	133	1000	339	128	117	827	154	344
19	2670	157	1130	311	142	119	919	148	367
20	2510	171	1160	305	130	107	1080	150	437
21	2360	155	988	340	166	152	1280	134	463
22	2220	178	1070	555	243	364	1500	118	478
23	2070	131	732	804	156	339	1630	113	497
24	1910	92	474	818	121	267	1720	107	497
25	1770	70	335	798	123	265	1780	94	452
26	1630	92	405	760	184	378	1810	92	450
27	1480	75	300	724	198	387	1810	96	469
28	1270	110	377	721	215	419	1810	100	489
29	1080	115	335	788	186	396	1770	92	440
30	920	119	296	965	204	532	1700	77	353
31	---	---	---	1140	182	560	---	---	---
TOTAL	82430	---	32142	20180	---	9718	40250	---	14464

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	1650	61	272	468	127	160	414	229	256
2	1580	71	303	432	99	115	500	175	236
3	1530	72	297	412	93	103	533	160	230
4	1480	68	272	398	107	115	545	118	174
5	1420	61	234	392	107	113	547	89	131
6	1340	58	210	402	139	151	550	98	146
7	1290	68	237	436	95	112	573	99	153
8	1270	81	278	475	88	113	581	95	149
9	1250	58	196	504	87	118	591	92	147
10	1250	71	240	516	91	127	611	98	162
11	1190	68	218	501	100	135	619	99	165
12	1110	56	168	472	76	97	616	94	156
13	1030	55	153	428	71	82	612	92	152
14	915	61	151	384	80	83	660	110	196
15	812	76	167	332	81	73	652	105	185
16	732	75	148	292	77	61	624	106	179
17	666	70	126	261	70	49	593	104	167
18	611	63	104	248	69	46	582	82	129
19	562	71	108	248	72	48	596	86	138
20	512	76	105	255	74	51	616	96	160
21	466	73	92	264	62	44	640	83	143
22	434	63	74	269	59	43	686	80	148
23	442	64	76	291	87	68	744	74	149
24	493	62	83	342	144	133	773	62	129
25	548	62	92	348	151	142	774	74	155
26	594	76	122	341	146	134	748	88	178
27	617	134	223	337	149	136	697	90	169
28	616	168	279	351	156	148	631	75	128
29	597	116	187	387	145	152	557	84	126
30	562	115	175	409	170	188	511	91	126
31	514	117	162	409	175	193	---	---	---
TOTAL	28083	---	5552	11604	---	3333	18376	---	4862
YEAR	859953		178881						

07077660 BAYOU DEVIEW NEAR GIBSON, ARK.

LOCATION.--Lat 35°47'36", long 90°50'18", in SW ¼ SW ¼ sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
11.	0945	9827	9827	2.7	7.8	15.0	25	8.7	1.8
NOV									
15.	0915	9827	9827	--	--	16.0	5.4	7.9	3.2
DEC									
13.	0930	9827	9827	5.4	7.8	6.0	120	12.3	2.6
JAN									
24.	0950	9827	9827	20	8.1	8.0	60	11.5	1.5
FEB									
07.	0830	9827	9827	125	7.8	1.0	70	13.4	2.1
MAR									
14.	0900	9827	9827	150	6.9	12.0	100	10.1	1.8
APR									
11.	0900	9827	9827	27	7.5	11.0	40	10.5	2.6
MAY									
09.	0830	9827	9827	82	7.4	18.0	500	7.3	--
JUN									
13.	0900	9827	9827	--	7.5	24.0	240	7.7	4.5
JUL									
11.	0915	9827	9827	3.9	7.7	29.0	50	6.4	2.6
AUG									
08.	0845	9827	9827	0.0	7.8	24.0	35	--	3.0
SEP									
26.	0830	9827	9827	1.7	7.8	17.0	55	--	1.8

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	0945	34	26	239	24	2.40	0.080	3.20	2.80
NOV									
15.	0915	37	24	246	14	2.00	0.060	4.70	3.90
DEC									
13.	0930	13	15	184	28	1.10	0.300	1.40	1.20
JAN									
24.	0950	8.0	12	125	16	--	--	0.860	0.760
FEB									
07.	0830	3.5	8.0	84	--	--	0.100	0.290	0.200
MAR									
14.	0900	2.5	7.0	91	63	--	0.080	0.250	0.210
APR									
11.	0900	7.5	11	111	21	0.500	0.020	0.560	0.430
MAY									
09.	0830	6.0	12	151	429	0.930	0.300	0.910	0.340
JUN									
13.	0900	6.2	12	121	222	0.310	<0.010	--	0.170
JUL									
11.	0915	14	15	156	33	1.00	0.110	0.700	0.610
AUG									
08.	0845	9.8	8.0	173	43	<0.020	<0.050	0.190	<0.030
SEP									
26.	0830	42	26	--	37	2.80	<0.050	4.60	4.29

07077660 BAYOU DEVIEW NEAR GIBSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	0945	<1	--	19	4	<0.50	--	9.2
NOV								
15.	0915	<1	<1	25	25	--	<10	10
DEC								
13.	0930	<1	<1	22	--	--	20	15
JAN								
24.	0950	<1	<1	<15	3	--	60	8.2
FEB								
07.	0830	--	<1	<15	<1	--	--	6.7
MAR								
14.	0900	<1	2	27	3	--	110	1.8
APR								
11.	0900	<1	3	43	7	--	--	8.7
MAY								
09.	0830	1	18	19	--	--	--	9.1
JUN								
13.	0900	<1	3	<15	--	--	20	12
JUL								
11.	0915	<1	1	<15	4	--	--	8.9
AUG								
08.	0845	--	<1	<15	<2	--	<10	9.9
SEP								
26.	0830	<1	1	23	3	<0.40	10	8.2

07077700 BAYOU DEVIEW AT MORTON, ARK.

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi west of Morton, and at mile 39.6.

DRAINAGE AREA.--421 mi².

PERIOD OF RECORD.--October 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT										
18...	0800	80513	80020	3.0	201	6.8	17.0	6.4	66	2.6
DEC										
06...	0920	80513	80020	3420	78	7.0	6.5	8.0	65	2.4
FEB										
28...	0845	80513	80020	2930	56	7.0	4.5	11.1	86	2.0
APR										
18...	0900	80513	80020	63	100	6.6	16.0	6.3	64	3.5
JUN										
13...	0730	80513	80020	358	168	7.4	24.5	4.2	51	3.8
AUG										
29...	0945	80513	80020	325	408	7.8	28.0	3.2	41	1.6

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
18...	0800	762	K80	K60	75	19	6.8	11	23	0.6
DEC										
06...	0920	765	K140	K110	27	6.7	2.5	5.0	26	0.4
FEB										
28...	0845	762	K80	K150	17	4.4	1.5	3.8	32	0.4
APR										
18...	0900	758	130	190	36	9.2	3.1	6.9	29	0.5
JUN										
13...	0730	755	430	930	58	15	4.9	9.2	25	0.5
AUG										
29...	0945	758	280	470	170	43	15	20	20	0.7

DATE	TIME	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
OCT										
18...	0800	5.4	81	11	14	0.10	116	0.16	0.94	--
DEC										
06...	0920	2.6	26	5.0	20	0.10	58	0.08	535	--
FEB										
28...	0845	0.60	18	3.0	15	0.10	39	0.05	312	--
APR										
18...	0900	1.5	37	5.3	5.8	0.20	56	0.08	9.46	0.190
JUN										
13...	0730	3.0	54	7.3	16	0.20	91	0.12	88.0	0.510
AUG										
29...	0945	3.8	170	12	20	0.20	216	0.29	190	0.160

07077700 BAYOU DEVIEW AT MORTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT										
18...	0800	<0.010	<0.100	0.020	0.020	0.78	0.80	0.070	0.070	--
DEC										
06...	0920	0.030	<0.100	0.070	0.020	0.83	0.90	0.200	0.130	--
FEB										
28...	0845	0.020	<0.100	0.080	0.020	0.92	1.0	0.180	0.090	--
APR										
18...	0900	0.020	0.210	0.080	0.050	0.72	0.80	0.280	0.170	--
JUN										
13...	0730	0.090	0.600	0.130	0.120	0.67	0.80	0.150	0.090	--
AUG										
29...	0945	0.030	0.190	0.070	0.070	0.33	0.40	0.170	0.100	2

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)
OCT									
18...	0800	30	--	--	--	--	--	--	--
DEC									
06...	0920	30	--	--	--	--	--	--	--
FEB									
28...	0845	20	--	--	--	--	--	--	--
APR									
18...	0900	30	--	--	--	--	--	--	--
JUN									
13...	0730	30	--	--	--	--	--	--	--
AUG									
29...	0945	50	<1	1	1	1	1700	2	2

DATE	TIME	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
18...	0800	--	--	--	--	--	44	0.36	74
DEC									
06...	0920	--	--	--	--	--	37	342	94
FEB									
28...	0845	--	--	--	--	--	78	617	95
APR									
18...	0900	--	--	--	--	--	110	19	79
JUN									
13...	0730	--	--	--	--	--	113	109	81
AUG									
29...	0945	190	<0.10	1	<1	10	88	77	74

07077820 WHITE RIVER AT ST. CHARLES, ARK.

LOCATION.--Lat 34°22'35", long 91°07'30", in SW ¼ NE ¼ sec.4, T.4 S., R.1 W., Arkansas County, Hydrologic Unit 08020303, at St. Charles Ferry on west bank at State Highway 1, and 0.4 mi east of St. Charles.

DRAINAGE AREA.--25,809 mi².

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
04.	1000	9827	9827	10100	7.9	22.0	20	8.5	1.5
NOV									
01.	1130	9827	9827	10800	8.4	15.0	20	10.0	1.2
DEC									
06.	1230	9827	9827	60700	7.0	9.0	50	7.6	0.6
JAN									
03.	1345	9827	9827	28900	7.4	8.0	60	10.6	1.2
31.	1315	9827	9827	31300	7.7	10.0	40	10.0	0.6
FEB									
28.	1330	9827	9827	142000	6.4	7.0	55	10.5	0.7
APR									
04.	1310	9827	9827	84200	7.5	17.0	20	8.2	0.9
MAY									
02.	1230	9827	9827	59500	7.9	19.0	15	7.3	0.8
JUN									
20.	1300	9827	9827	26400	8.0	26.0	--	--	0.6
AUG									
01.	1345	9827	9827	13700	8.3	29.0	8.5	7.7	1.7
29.	1345	9827	9827	11000	8.5	31.0	4.5	9.0	2.0
SEP									
05.	1345	9827	9827	12800	8.4	29.0	15	8.0	1.5

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
04.	1000	6.5	8.0	--	39	0.010	0.010	0.080	0.010
NOV									
01.	1130	6.0	8.0	181	35	0.120	0.020	0.060	0.020
DEC									
06.	1230	3.0	7.0	111	--	0.100	0.120	0.130	0.090
JAN									
03.	1345	3.5	8.0	--	61	0.240	<0.010	0.150	0.070
31.	1315	4.0	8.0	--	--	0.190	0.030	0.090	0.050
FEB									
28.	1330	1.5	5.0	104	24	0.220	0.090	0.160	0.070
APR									
04.	1310	3.0	7.0	107	12	0.080	0.050	--	0.040
MAY									
02.	1230	3.4	8.0	143	13	0.070	0.040	0.080	<0.010
JUN									
20.	1300	3.9	8.0	136	--	0.290	<0.010	0.120	<0.010
AUG									
01.	1345	--	7.0	176	21	<0.020	<0.050	0.080	<0.030
29.	1345	--	73	450	6	<0.020	<0.050	0.070	<0.030
SEP									
05.	1345	--	9.0	196	--	0.110	<0.050	0.060	0.030

07077820 WHITE RIVER AT ST. CHARLES, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
04.	1000	--	<1	--	<1	<0.50	<10	6.3
NOV								
01.	1130	--	<1	<15	<1	--	10	5.9
DEC								
06.	1230	<1	<1	<15	3	--	<10	6.6
JAN								
03.	1345	<1	<1	<15	2	--	--	4.1
31.	1315	<1	<1	38	1	--	10	4.7
FEB								
28.	1330	<1	1	19	2	--	10	5.7
APR								
04.	1310	<1	<1	--	<1	--	<10	5.3
MAY								
02.	1230	<1	<1	<15	2	--	<10	4.9
JUN								
20.	1300	<1	1	<15	3	--	10	5.6
AUG								
01.	1345	--	<1	<15	<2	--	<10	3.8
29.	1345	<1	<1	<15	<2	--	<10	5.8
SEP								
05.	1345	<1	<1	<15	<2	<0.40	<10	4.0

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARK.

LOCATION.--Lat 36°34'29", long 91°03'45", in SE ¼ sec.30, T.1 S., R.1 W., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 146, 3.6 mi southeast of Holly Grove.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
04.	0900	9827	9827	7.3	16.0	3.5	1.0	4.1	9.0
NOV									
01.	1230	9827	9827	7.5	13.0	10	0.2	5.7	11
DEC									
06.	1335	9827	9827	6.8	8.0	20	5.5	0.4	4.0
JAN									
03.	1450	9827	9827	7.3	9.0	30	6.2	0.7	4.5
31.	1410	9827	9827	7.6	12.0	10	6.1	0.3	3.5
FEB									
28.	1415	9827	9827	6.3	8.0	40	8.8	0.8	2.0
APR									
04.	1350	9827	9827	7.0	20.0	15	3.6	1.3	1.5
MAY									
02.	1320	9827	9827	7.3	18.0	3.6	3.3	3.7	2.1
JUN									
20.	1350	9827	9827	7.1	28.0	--	--	1.2	2.3
AUG									
01.	1500	9827	9827	7.2	30.0	4.5	3.6	4.2	--
SEP									
05.	1500	9827	9827	7.2	26.0	5.0	4.3	2.7	--

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
04.	0900	2.0	--	9	0.010	0.030	0.150	0.060
NOV								
01.	1230	6.0	196	14	<0.010	0.040	0.370	0.170
DEC								
06.	1335	7.0	74	--	0.010	0.040	0.120	0.090
JAN								
03.	1450	7.0	--	5	0.010	<0.010	0.150	0.100
31.	1410	4.0	57	--	0.010	0.010	0.120	0.090
FEB								
28.	1415	4.0	79	4	0.020	0.060	0.140	0.100
APR								
04.	1350	5.0	50	4	0.070	0.070	--	0.150
MAY								
02.	1320	3.0	91	4	<0.010	0.040	0.220	0.030
JUN								
20.	1350	4.0	62	--	0.020	0.070	0.150	0.040
AUG								
01.	1500	3.0	110	--	<0.020	<0.050	0.350	0.030
SEP								
05.	1500	3.0	168	--	<0.020	<0.050	0.200	0.080

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
04.	0900	--	<1	--	<1	<0.50	<10	12
NOV								
01.	1230	--	4	19	5	--	20	18
DEC								
06.	1335	<1	<1	<15	1	--	10	8.8
JAN								
03.	1450	<1	<1	<15	1	--	--	8.8
31.	1410	<1	<1	44	<1	--	<10	8.0
FEB								
28.	1415	<1	<1	19	2	--	10	6.5
APR								
04.	1350	<1	<1	--	<1	--	<10	8.5
MAY								
02.	1320	<1	<1	<15	3	--	10	12
JUN								
20.	1350	<1	2	<15	11	--	10	8.5
AUG								
01.	1500	--	<1	<15	<2	--	<10	12
SEP								
05.	1500	<1	<1	<15	<2	<0.40	<10	11

07077950 BIG CREEK AT POPLAR GROVE, ARK.

LOCATION.--Lat 34°33'20", long 90°50"44", in sec.1, T.2 S., R.2 E., Phillips County, Hydrologic Unit 08020304, near right bank on downstream side of bridge on U.S. Highway 49, at Poplar Grove, 900 ft upstream from Crooked Creek, and 3.9 mi east of Marvel.

DRAINAGE AREA.--448 mi², includes that of Crooked Creek. Area at site used prior to September 30, 1972, 459 mi².

PERIOD OF RECORD.--October 1970 to current year. Prior to September 30, 1972, published as "07077952 Big Creek near Poplar Grove." Gage-height record and results of discharge measurements since August 1954 at same site are contained in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stge recorder recorder 7.0 mi downstream at same datum. Prior to Feb. 6, 1978, auxiliary water-stage recorder at site 6.7 mi downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage. The auxiliary gage was removed Dec. 28, 1981.

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 633 ft³/s, 458,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft³/s Apr. 23, 1973, gage height, 31.74 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1954, 31.74 ft Apr. 23, 1973, discharge, 5,910 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,700 ft³/s Feb. 21, gage height, 30.39 ft; minimum, 2.1 ft³/s Nov. 2, 3, 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	2.8	2520	1170	946	3650	2680	104	647	772	75	214
2	54	2.3	2390	1120	837	3420	2720	53	591	1470	74	249
3	58	2.2	2230	1070	1010	3210	2740	41	526	1540	68	275
4	72	2.4	2070	1040	1430	3010	2780	e38	488	1470	64	277
5	96	2.6	1900	1010	1460	3270	2710	e34	564	1320	60	286
6	111	2.8	1730	968	1360	3270	2570	e30	504	1190	55	298
7	118	3.1	1570	930	1240	3040	2370	e25	492	1060	49	310
8	121	3.6	1410	933	1120	2810	2150	e45	767	1010	43	313
9	120	3.9	1280	946	1050	2590	1950	1590	1140	935	40	308
10	114	4.2	1130	918	991	2370	1780	2000	1290	820	39	300
11	103	4.5	1000	900	948	2160	1600	1910	1360	707	39	289
12	87	6.0	888	1660	910	1980	1390	1880	1370	602	38	272
13	69	6.7	782	2340	874	1820	1240	1890	1460	513	38	252
14	53	8.8	680	3010	1340	1680	1100	1900	1710	434	38	264
15	37	9.8	583	3300	2120	1540	1010	1870	1880	357	38	278
16	23	11	491	3190	2870	1410	928	1810	1790	324	38	280
17	15	11	419	3070	3420	1300	852	1730	1600	274	38	266
18	12	14	347	2950	3870	1180	774	1640	1390	204	38	244
19	11	381	266	2820	4000	1070	693	1520	1230	150	38	215
20	9.9	1130	168	2680	4160	1020	609	1380	1110	126	39	190
21	9.1	1280	202	2520	4680	1020	522	1240	1000	119	39	176
22	8.6	1400	245	2350	4580	945	437	1180	902	118	40	174
23	12	1480	251	2160	4400	841	356	1210	809	120	51	179
24	16	1540	294	1970	4220	748	265	1150	725	115	55	182
25	25	1570	323	1760	4050	655	178	1040	636	122	70	177
26	15	2120	277	1580	3860	563	123	931	559	99	99	168
27	6.5	2810	261	1400	3660	481	94	866	488	90	117	153
28	5.2	2790	953	1240	3880	430	84	819	494	129	121	132
29	4.6	2710	1170	1220	---	1460	93	775	439	88	127	116
30	4.1	2620	1190	1220	---	2230	119	732	351	63	150	180
31	3.4	---	1170	1080	---	2580	---	692	---	61	184	---
TOTAL	1420.4	21934.7	30182	54525	69486	57753	36917	32125	28312	16402	2002	7017
MEAN	45.8	731	974	1759	2482	1863	1231	1036	944	529	64.6	234
MAX	121	2810	2520	3300	4680	3650	2780	2000	1880	1540	184	313
MIN	3.4	2.2	168	900	837	430	84	25	351	61	38	116
AC-FT	2820	43510	59870	108200	137800	114600	73220	63720	56160	32530	3970	13920

CAL YR 1988 TOTAL 211514.25 MEAN 578 MAX 5250 MIN .00 AC-FT 419500
WTR YR 1989 TOTAL 358076.1 MEAN 981 MAX 4680 MIN 2.2 AC-FT 710200

e Estimated

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARK.

LOCATION.--Lat 34°26'00", long 91°03'11", in SW ¼ NW ¼ sec.18, T.3 S., R.1 E., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 1, 1.0 mi northeast of Cross Roads.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
04.	0935	9827	9827	7.5	18.0	20	4.3	6.6	1.0
NOV									
01.	1200	9827	9827	7.9	14.0	45	5.5	7.3	5.5
DEC									
06.	1310	9827	9827	6.9	8.0	10	5.8	0.6	3.5
JAN									
03.	1420	9827	9827	7.4	9.0	15	5.5	1.1	3.5
31.	1340	9827	9827	7.7	12.0	5.5	4.9	0.7	2.0
FEB									
28.	1340	9827	9827	6.5	8.0	25	8.8	1.0	1.0
APR									
04.	1330	9827	9827	7.0	20.0	10	2.6	1.2	1.0
MAY									
02.	1300	9827	9827	7.2	19.0	4.5	0.4	6.1	2.1
JUN									
20.	1320	9827	9827	6.9	28.0	--	--	1.8	2.3
AUG									
01.	1420	9827	9827	7.3	30.0	4.0	3.4	4.3	--
SEP									
05.	1420	9827	9827	7.3	26.0	5.5	4.2	2.7	--

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
04.	0935	2.0	--	36	0.010	0.020	0.190	0.010
NOV								
01.	1200	6.0	104	51	0.010	0.540	0.220	0.060
DEC								
06.	1310	5.0	61	--	0.010	0.090	0.120	0.080
JAN								
03.	1420	5.0	--	--	0.020	<0.010	0.140	0.090
31.	1340	3.0	--	--	0.010	0.010	0.090	0.070
FEB								
28.	1340	4.0	54	4	0.030	0.110	0.170	0.080
APR								
04.	1330	4.0	51	2	0.050	0.040	--	0.130
MAY								
02.	1300	3.0	133	11	<0.010	0.120	0.240	0.040
JUN								
20.	1320	3.0	66	--	0.050	0.020	0.230	0.060
AUG								
01.	1420	3.0	107	--	<0.020	<0.050	0.180	0.030
SEP								
05.	1420	3.0	164	--	<0.020	<0.050	0.200	0.080

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
04.	0935	--	<1	--	3	<0.50	<10	11
NOV								
01.	1200	--	4	22	3	--	40	11
DEC								
06.	1310	<1	<1	<15	2	--	10	13
JAN								
03.	1420	<1	2	<15	1	--	--	11
31.	1340	<1	<1	56	1	--	<10	11
FEB								
28.	1340	<1	<1	<15	1	--	10	7.5
APR								
04.	1330	<1	<1	--	<1	--	<10	11
MAY								
02.	1300	<1	<1	<15	2	--	10	18
JUN								
20.	1320	<1	<1	20	2	--	<10	11
AUG								
01.	1420	--	<1	<15	<2	--	<10	12
SEP								
05.	1420	<1	<1	<15	<2	<0.40	<10	12

07188800 MCKISIC CREEK TRIBUTARY NEAR BENTONVILLE, ARK.

LOCATION.--Lat 36°24'26", long 94°12'46", in NW ¼ SE ¼ sec.18, T.20 N., R.30 W., Benton County, Hydrologic Unit 11070208, on unimproved road off U.S. Highway 71, 0.4 mi north of Bentonville city limits, and 2.0 mi downstream from Bella Vista Lake.

PERIOD OF RECORD.--November 1983 to current year. Previously published as "0718813 Little Sugar Creek Tributary near Bentonville, Ark."

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
25...	0922	9827	9827	7.3	--	2.0	5.6	1.6	47
NOV									
29...	1523	9827	9827	7.7	12.0	3.0	8.0	0.8	33
DEC									
27...	1006	9827	9827	7.6	11.0	20	--	2.3	31
JAN									
24...	0935	9827	9827	7.7	11.0	3.5	8.2	1.2	48
FEB									
28...	1600	9827	9827	6.8	10.0	3.0	8.4	1.4	24
MAR									
28...	0932	9827	9827	7.7	15.0	130	7.7	4.1	17
APR									
25...	1004	9827	9827	7.8	16.0	4.0	7.8	0.5	31
MAY									
23...	0907	9827	9827	7.8	16.0	6.0	7.5	0.4	15
JUN									
20...	0930	9827	9827	7.7	19.0	4.2	6.6	0.1	29
JUL									
25...	0830	9827	9827	7.5	20.0	3.3	6.2	0.2	44
AUG									
22...	0910	9827	9827	7.5	22.0	3.5	5.8	0.3	56
SEP									
05...	0930	9827	9827	7.5	22.0	2.0	6.6	1.2	67

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
25...	0922	34	343	3	0.690	0.040	0.36	0.40	8.80
NOV									
29...	1523	29	269	6	4.00	0.040	0.46	0.50	10.2
DEC									
27...	1006	32	304	23	2.30	0.090	1.1	1.2	--
JAN									
24...	0935	37	349	7	2.30	0.080	0.72	0.80	10.8
FEB									
28...	1600	24	250	4	4.20	0.520	0.08	0.60	7.40
MAR									
28...	0932	--	229	128	--	--	--	1.3	--
APR									
25...	1004	--	284	13	1.70	0.130	0.77	0.90	5.90
MAY									
23...	0907	25	227	12	2.90	0.020	0.48	0.50	2.90
JUN									
20...	0930	29	278	6	5.60	<0.010	--	0.80	6.30
JUL									
25...	0830	--	347	8	8.40	<0.050	--	0.72	7.40
AUG									
22...	0910	60	374	7	--	<0.050	--	0.88	7.40
SEP									
05...	0930	51	--	4	3.20	<0.050	--	0.68	7.30

07188800 MCKISIC CREEK TRIBUTARY NEAR BENTONVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	0922	8.80	2	--	<15	21	1.3	--	6.2
NOV									
29...	1523	8.60	<1	<1	30	13	--	40	3.7
DEC									
27...	1006	8.20	1	17	19	--	--	100	6.1
JAN									
24...	0935	10.5	2	<1	<15	42	--	50	8.0
FEB									
28...	1600	5.00	<1	<1	21	21	--	50	6.9
MAR									
28...	0832	1.20	<1	3	34	34	--	50	7.6
APR									
25...	1004	--	1	<1	55	--	--	40	6.4
MAY									
23...	0907	2.90	1	<1	20	14	--	40	3.2
JUN									
20...	0830	5.50	1	<1	27	16	--	30	4.8
JUL									
25...	0830	6.40	1	<1	26	8	--	50	4.9
AUG									
22...	0910	7.20	2	2	25	41	--	40	5.0
SEP									
05...	0930	--	1	2	16	4	<0.40	20	5.0

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARK.

LOCATION.--Lat 36°30'44", long 94°28'54", in NW ¼ NW ¼ sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at bridge on county road about 500 ft west of State Highway 59, 0.9 mi north of State line along Highway 59, 2.0 mi northwest of Sulphur Springs.

DRAINAGE AREA.--34.9 mi^2, at State line.

PERIOD OF RECORD.--October 1968 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
25.	1004	9827	9827	--	7.5	--	1.5	7.5	0.3
NOV									
29.	1440	9827	9827	--	8.0	10.0	1.0	11.5	0.2
DEC									
27.	1051	9827	9827	--	7.7	8.0	55	--	1.4
JAN									
24.	1010	9827	9827	--	8.2	9.0	2.0	12.1	0.4
FEB									
28.	1516	9827	9827	--	6.9	8.0	2.0	11.2	0.9
MAR									
28.	1016	9827	9827	11	8.1	15.0	3.5	10.1	0.5
APR									
25.	1050	9827	9827	34	8.3	20.0	2.0	10.3	0.6
MAY									
23.	0952	9827	9827	160	8.0	15.0	7.0	9.4	0.4
JUN									
20.	1037	9827	9827	12	8.1	19.0	4.0	8.5	0.1
JUL									
25.	0930	9827	9827	10	8.0	21.0	1.9	7.5	>0.1
AUG									
22.	0957	9827	9827	9.0	8.1	24.0	3.5	6.8	0.2
SEP									
05.	1020	9827	9827	7.0	8.0	23.0	1.5	7.1	1.6

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
25.	1004	11	8.0	231	2	0.620	0.030	0.040	0.050
NOV									
29.	1440	6.5	11	174	2	1.00	0.030	0.040	0.030
DEC									
27.	1051	5.5	14	215	29	1.20	0.060	--	0.090
JAN									
24.	1010	6.5	11	192	2	1.40	<0.010	0.050	0.050
FEB									
28.	1516	4.5	11	171	1	1.70	0.020	0.070	0.010
MAR									
28.	1016	4.5	--	176	8	1.70	--	--	<0.010
APR									
25.	1050	5.1	--	172	5	0.880	0.130	0.050	0.070
MAY									
23.	0952	2.8	11	150	11	0.860	0.010	0.060	--
JUN									
20.	1037	<1.0	10	178	4	0.840	<0.010	0.070	<0.010
JUL									
25.	0930	5.1	--	192	3	0.950	<0.050	0.100	<0.030
AUG									
22.	0957	6.1	8.0	192	3	--	<0.050	0.060	0.060
SEP									
05.	1020	8.3	8.0	--	4	0.930	<0.050	0.060	--

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 25.	1004	<1	--	<15	7	<0.50	--	2.9
NOV 29.	1440	<1	<1	<15	11	--	<10	1.9
DEC 27.	1051	<1	9	<15	--	--	30	5.2
JAN 24.	1010	<1	2	<15	8	--	10	4.2
FEB 28.	1516	<1	1	<15	6	--	20	2.8
MAR 28.	1016	<1	1	19	2	--	10	3.7
APR 25.	1050	<1	<1	22	--	--	<10	2.6
MAY 23.	0952	<1	<1	23	8	--	20	2.5
JUN 20.	1037	<1	<1	<15	8	--	20	4.6
JUL 25.	0930	<1	<1	<15	5	--	10	3.6
AUG 22.	0957	1	3	24	12	--	10	1.2
SEP 05.	1020	<1	--	26	<2	<0.40	--	0.7

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARK.

LOCATION.--Lat 36°20′31″, long 94°35′15″, in SW ¼ NE ¼ sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, at bridge on State Highway 99, 3.0 mi north of Cherokee City.

DRAINAGE AREA.--104 mi^2, at State line.

PERIOD OF RECORD.--October 1968 to January 1972, October 1978 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 25.	1047	9827	9827	14	7.5	--	1.0	7.8	--
NOV 29.	1406	9827	9827	41	8.0	12.0	1.0	11.3	0.1
DEC 27.	1128	9827	9827	44	7.8	10.0	4.0	--	0.4
JAN 24.	1045	9827	9827	28	8.1	11.0	1.5	11.1	0.3
FEB 28.	1440	9827	9827	97	6.8	9.0	1.5	11.6	0.3
MAR 28.	1101	9827	9827	112	8.1	13.5	2.0	11.2	0.5
APR 25.	1128	9827	9827	60	6.4	17.0	2.5	12.4	0.6
MAY 23.	1138	9827	9827	227	7.9	18.0	3.5	9.6	0.4
JUN 20.	1115	9827	9827	88	8.1	19.0	3.5	9.9	0.3
JUL 25.	1033	9827	9827	26	8.0	20.0	1.1	8.5	0.2
AUG 22.	1045	9827	9827	19	8.0	22.0	1.5	8.8	1.0
SEP 05.	1055	9827	9827	9.0	7.9	21.0	1.5	7.6	1.5

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507;
OCT 25.	1047	14	5.0	232	3	2.00	0.040	0.120	0.130
NOV 29.	1406	12	7.0	163	1	2.40	0.040	0.120	0.130
DEC 27.	1128	13	7.0	188	3	3.40	0.030	--	0.140
JAN 24.	1045	12	7.0	183	3	3.60	<0.010	0.130	0.120
FEB 28.	1440	7.5	7.0	169	2	3.70	0.020	0.110	0.090
MAR 28.	1101	7.5	--	161	3	--	--	--	<0.010
APR 25.	1128	8.2	--	158	6	2.20	0.110	0.080	0.080
MAY 23.	1138	6.3	7.0	142	5	1.90	0.060	0.090	--
JUN 20.	1115	5.6	6.0	157	4	2.10	<0.010	0.090	0.040
JUL 25.	1033	9.4	--	183	1	2.50	<0.050	0.130	0.060
AUG 22.	1045	10	6.0	189	4	--	<0.050	0.100	0.100
SEP 05.	1055	14	5.0	--	2	2.80	<0.050	0.110	--

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 25.	1047	<1	--	<15	11	<0.50	--	2.1
NOV 29.	1406	<1	<1	<15	6	--	<10	1.5
DEC 27.	1128	<1	4	<15	--	--	<10	1.6
JAN 24.	1045	<1	1	<15	7	--	10	2.6
FEB 28.	1440	<1	<1	<15	6	--	20	2.7
MAR 28.	1101	<1	--	30	2	--	10	2.6
APR 25.	1128	<1	<1	30	--	--	<10	2.6
MAY 23.	1138	<1	<1	<15	10	--	<10	2.6
JUN 20.	1115	<1	1	<15	8	--	10	2.0
JUL 25.	1033	<1	<1	<15	4	--	10	3.1
AUG 22.	1045	1	<1	18	18	--	10	2.5
SEP 05.	1055	<1	--	17	<2	<0.40	--	3.2

07194800 ILLINOIS RIVER AT SAVOY, ARK.

LOCATION.--Lat 36°06'39", long 94°20'39", in NW / SE / sec.36, T.17 n., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of bridge on State Highway 16 at Savoy.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
04.	1355	80513	80513	4.2	--	18.0	--	--	--
25.	1419	9827	9827	--	7.5	--	4.5	7.8	1.5
NOV									
29.	1140	9827	9827	23	7.9	8.0	20	10.5	0.8
DEC									
27.	1303	9827	9827	18	7.8	8.0	20	--	1.1
JAN									
24.	1242	9827	9827	11	8.4	9.0	4.5	14.6	0.7
FEB									
28.	1215	9827	9827	142	6.8	8.0	6.5	11.0	0.6
MAR									
28.	1230	9827	9827	2740	7.7	16.0	220	7.2	--
APR									
25.	1309	9827	9827	23	8.1	22.0	5.5	9.3	1.5
MAY									
23.	1325	9827	9827	420	7.8	22.0	30	7.4	1.4
JUN									
20.	1332	9827	9827	90	7.9	23.0	9.0	8.1	0.6
JUL									
25.	1215	9827	9827	23	7.8	23.0	15	7.4	1.7
AUG									
22.	1254	9827	9827	11	7.9	28.0	6.0	7.5	0.9
SEP									
05.	1300	9827	9827	11	7.9	25.0	7.5	7.9	2.7

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
25.	1419	12	5.0	210	6	0.570	0.020	0.060	0.040
NOV									
29.	1140	7.5	17	140	9	2.00	0.060	0.120	0.090
DEC									
27.	1303	8.0	21	161	13	1.60	0.030	--	0.060
JAN									
24.	1242	10	16	156	5	1.80	<0.010	0.070	0.050
FEB									
28.	1215	7.0	16	148	6	3.30	0.050	0.100	0.050
MAR									
28.	1230	5.0	--	163	367	1.00	--	--	0.310
APR									
25.	1309	6.7	--	155	13	1.70	0.100	0.080	0.030
MAY									
23.	1325	3.9	16	112	38	0.800	<0.010	0.170	0.220
JUN									
20.	1332	3.5	9.0	140	18	2.20	<0.010	0.100	0.020
JUL									
25.	1215	5.5	--	147	18	1.40	<0.050	0.160	0.040
AUG									
22.	1254	8.8	6.0	180	10	--	<0.050	0.090	0.070
SEP									
05.	1300	9.3	5.0	--	11	1.10	<0.050	0.090	--

07194800 ILLINOIS RIVER AT SAVOY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1355	<1	--	<15	10	<0.50	--	4.4
NOV								
29	1140	<1	<1	20	16	--	20	4.4
DEC								
27	1303	<1	4	<15	--	--	<10	3.3
JAN								
24	1242	<1	<1	<15	6	--	10	4.0
FEB								
28	1215	<1	1	21	6	--	10	3.6
MAR								
28	1230	1	--	56	43	--	100	11
APR								
25	1309	<1	<1	24	--	--	<10	3.8
MAY								
23	1325	<1	<1	<15	14	--	10	5.4
JUN								
20	1332	<1	<1	20	16	--	<10	3.5
JUL								
25	1215	<1	<1	<15	25	--	10	4.3
AUG								
22	1254	1	2	<15	11	--	10	4.3
SEP								
05	1300	<1	<1	26	<2	<0.40	10	4.8

07194810 CLEAR CREEK AT JOHNSON, ARK.

LOCATION.--Lat 36°07'41", long 94°09'56", in NW ¼ SE ¼ sec.22, T.17N, R.30 W., Washington County, Hydrologic Unit 11110103, at bridge on county road 0.2 mi south of Johnson, just downstream from confluence with Mud Creek.

PERIOD OF RECORD.--October 1986 to September 1987.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
25...	0800	9827	9827	7.4	12.0	3.5	8.5	--	8.0
NOV									
29...	0835	9827	9827	8.0	7.0	3.0	10.7	1.0	7.5
DEC									
27...	1200	9827	9827	7.0	10.0	6.0	9.3	2.1	8.5
JAN									
24...	0800	9827	9827	7.9	9.0	3.0	8.4	3.6	23
FEB									
21...	0900	9827	9827	7.2	5.0	--	11.0	2.0	8.5
MAR									
28...	0800	9827	9827	7.8	15.0	--	8.3	--	5.5
APR									
25...	0820	9827	9827	7.9	18.0	3.5	7.5	2.2	14
MAY									
23...	0810	9827	9827	7.9	18.0	15	7.9	5.8	7.2
JUN									
27...	0740	9827	9827	7.9	20.0	7.5	7.7	2.8	13
JUL									
19...	0835	9827	9827	7.8	20.0	7.5	7.2	5.0	13
AUG									
22...	0840	9827	9827	7.9	23.0	5.5	6.9	4.2	17
SEP									
26...	0835	9827	9827	7.7	12.0	4.6	7.7	6.8	23

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
25...	0800	10	--	5	1.30	--	--	0.30	0.030
NOV									
29...	0835	21	159	6	1.20	0.040	--	--	0.050
DEC									
27...	1200	18	182	4	1.60	0.030	--	--	0.060
JAN									
24...	0800	43	236	5	3.20	1.20	0.30	1.5	0.120
FEB									
21...	0900	19	--	6	1.80	0.160	0.34	0.50	0.110
MAR									
28...	0800	--	--	--	1.20	0.010	1.2	1.2	--
APR									
25...	0820	--	205	6	2.50	0.110	--	--	0.060
MAY									
23...	0810	23	179	18	1.10	<0.010	--	0.80	0.130
JUN									
27...	0740	21	200	16	2.10	0.080	0.72	0.80	0.050
JUL									
19...	0835	--	194	11	2.00	0.050	0.69	0.74	0.150
AUG									
22...	0840	21	219	10	2.50	<0.050	--	0.98	0.090
SEP									
26...	0835	23	246	10	3.70	<0.050	--	0.90	0.080

07194810 CLEAR CREEK AT JOHNSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	0800	0.030	--	<1	30	2	<0.50	<10	4.0
NOV									
29...	0835	0.090	<1	1	<15	2	--	10	--
DEC									
27...	1200	0.010	<1	3	<15	3	--	<10	2.6
JAN									
24...	0800	0.060	<1	1	<15	12	--	10	6.0
FEB									
21...	0900	0.090	<1	<1	<15	1	--	20	4.6
MAR									
28...	0800	0.040	<1	2	--	26	--	50	7.0
APR									
25...	0820	0.040	--	<1	<15	<1	--	10	4.1
MAY									
23...	0810	0.100	<1	<1	<15	1	--	10	5.2
JUN									
27...	0740	0.010	<1	1	<15	1	--	20	5.4
JUL									
19...	0835	0.040	<1	1	15	2	--	10	5.3
AUG									
22...	0840	0.050	<1	--	18	<2	--	140	4.2
SEP									
26...	0835	0.050	<1	1	23	<2	<0.40	10	6.6

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARK.

LOCATION.--Lat 36°13'19", long 94°17'18", in SW ¼ NE ¼ sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT									
04...	1655	80513	80513	65	365	--	17.5	--	--
25...	0827	9827	9827	--	--	7.4	--	2.5	8.3
NOV									
29...	1605	9827	9827	--	--	8.0	10.0	3.5	12.0
DEC									
27...	0920	9827	9827	--	--	7.7	10.0	5.0	--
JAN									
24...	0840	9827	9827	--	--	7.9	9.0	3.0	9.7
FEB									
28...	1635	9827	9827	187	--	7.0	10.0	4.5	11.3
MAR									
28...	0836	9827	9827	--	--	7.7	15.0	7.2	7.7
APR									
25...	0915	9827	9827	112	--	7.9	18.0	4.0	8.2
MAY									
23...	0810	9827	9827	187	--	7.7	17.5	30	7.3
JUN									
20...	0832	9827	9827	112	--	7.9	20.0	7.0	7.7
JUL									
25...	0730	9827	9827	--	--	7.9	20.5	6.8	7.2
AUG									
22...	0813	9827	9827	--	--	7.9	22.0	5.0	6.5
SEP									
05...	0845	9827	9827	--	--	7.9	21.0	5.5	7.3

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
25...	0827	0.9	20	19	214	4	1.90	0.020	1.30
NOV									
29...	1605	0.9	15	15	159	3	2.50	0.070	0.390
DEC									
27...	0920	3.0	16	14	202	6	2.80	0.030	--
JAN									
24...	0840	1.8	23	25	217	5	2.80	<0.010	0.840
FEB									
28...	1635	0.6	12	12	165	9	3.90	0.040	0.280
MAR									
28...	0836	2.9	13	--	184	28	--	--	--
APR									
25...	0915	5.1	17	--	207	11	3.60	0.190	1.25
MAY									
23...	0810	1.8	10	15	167	35	2.30	<0.010	0.740
JUN									
20...	0832	1.7	16	13	188	12	3.00	<0.010	0.740
JUL									
25...	0730	1.7	20	--	221	14	2.60	<0.050	1.40
AUG									
22...	0813	1.9	23	21	219	12	--	<0.050	1.10
SEP									
05...	0845	1.3	22	15	--	11	2.30	<0.050	1.04

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	0827	1.60	<1	--	<15	<1	<0.50	--	4.0
NOV									
29...	1605	0.370	<1	<1	<15	1	--	40	2.3
DEC									
27...	0920	0.580	<1	2	<15	5	--	<10	2.8
JAN									
24...	0840	0.800	<1	<1	<15	3	--	<10	4.7
FEB									
28...	1635	0.240	<1	<1	21	17	--	10	3.6
MAR									
28...	0836	0.320	<1	2	21	2	--	<10	4.1
APR									
25...	0915	1.20	<1	<1	<15	--	--	<10	4.1
MAY									
23...	0810	0.730	<1	<1	<15	1	--	<10	4.1
JUN									
20...	0832	0.580	<1	<1	<15	1	--	<10	3.0
JUL									
25...	0730	1.16	<1	<1	<15	1	--	10	3.9
AUG									
22...	0813	1.12	<1	2	<15	<2	--	10	3.8
SEP									
05...	0845	--	<1	1	25	6	<0.40	20	4.4

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARK.

LOCATION.--Lat 36°08'41", long 94°29'41", in SW ¼ SW ¼ sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi downstream from Osage Creek, and 4.6 mi southeast of Siloam Springs.

DRAINAGE AREA.--509 mi².

PERIOD OF RECORD.--October 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 04...	1005	80513	80513	280	310	--	--	--	--
25...	1156	9827	9827	180	--	7.5	--	4.0	8.8
NOV 29...	1210	9827	9827	310	--	7.9	8.0	10	10.2
DEC 27...	1240	9827	9827	195	--	7.8	8.0	7.5	--
JAN 24...	1222	9827	9827	175	--	8.3	11.0	3.5	14.1
FEB 28...	1245	9827	9827	740	--	6.8	8.5	6.0	10.6
MAR 28...	1215	9827	9827	740	--	7.9	16.0	10	8.5
APR 25...	1241	9827	9827	310	--	8.0	21.0	8.0	8.9
MAY 23...	1300	9827	9827	920	--	7.7	21.0	45	6.9
JUN 20...	1308	9827	9827	550	--	7.9	23.0	10	7.6
JUL 25...	1150	9827	9827	235	--	7.9	23.0	9.6	7.6
AUG 22...	1240	9827	9827	180	--	8.0	24.0	6.5	7.7
SEP 05...	1230	9827	9827	145	--	7.9	25.0	6.0	7.9

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT 25...	1156	0.5	16	11	206	4	1.00	0.030	0.410
NOV 29...	1210	0.4	11	13	137	6	1.80	0.040	0.210
DEC 27...	1240	0.7	13	14	173	5	2.00	0.020	--
JAN 24...	1222	--	15	16	172	4	2.20	0.030	0.270
FEB 28...	1245	0.6	8.5	12	162	10	3.50	0.040	0.150
MAR 28...	1215	1.1	8.0	--	155	18	3.00	--	--
APR 25...	1241	1.0	9.6	--	159	22	2.20	0.100	0.240
MAY 23...	1300	1.6	5.6	14	133	57	1.10	<0.010	0.310
JUN 20...	1308	0.3	6.5	10	153	23	2.10	<0.010	0.180
JUL 25...	1150	0.6	10	--	164	17	1.50	<0.050	0.320
AUG 22...	1240	0.5	14	11	182	12	--	<0.050	0.370
SEP 05...	1230	1.7	18	10	--	10	1.20	<0.050	0.390

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	1156	0.410	<1	--	<15	15	--	--	3.5
NOV									
29...	1210	0.190	<1	<1	30	7	--	20	3.0
DEC									
27...	1240	0.230	<1	1	<15	--	--	<10	2.3
JAN									
24...	1222	0.250	<1	<1	20	4	--	<10	3.9
FEB									
28...	1245	0.100	<1	<1	<15	5	--	20	2.8
MAR									
28...	1215	0.070	<1	2	24	1	--	<10	4.4
APR									
25...	1241	0.180	<1	<1	16	--	--	10	3.4
MAY									
23...	1300	0.370	<1	<1	<15	14	--	10	5.9
JUN									
20...	1308	0.110	<1	<1	<15	13	--	10	3.9
JUL									
25...	1150	0.230	<1	<1	15	5	--	10	4.1
AUG									
22...	1240	0.340	<1	1	<15	10	--	<10	3.3
SEP									
05...	1230	--	<1	2	17	<2	<0.40	30	3.3

07195800 FLINT CREEK AT SPRINGTOWN, ARK.

LOCATION.--Lat 36 15'20", long 94 25'50", in NW¼ sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2.

PERIOD OF RECORD.--June 1961 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily dicharges. Records good.

AVERAGE DISCHARGE.--28 years, 14.3 ft^3/s, 13.68 in/yr, 10,360 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s June 8, 1974, gage height, 17.51 ft, from floodmarks, from rating curve extended above 260 ft^3/s on basis of contracted-opening, and flow-over-road measurement of peak flow; no flow for part of July 9, 29, 30, Aug. 7, 1964, Sept. 16, 1980, result of pumpage for irrigation upstream from gage.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 15	0030	*268	*5.83	June 13	1400	264	5.70

Minimum discharge, 2.7 ft^3/s Jan. 24, 25, Aug. 11, 12, 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	5.7	11	33	23	15	32	8.4	6.4	8.1	9.7	3.6
2	5.1	5.9	11	28	23	13	29	8.0	6.3	6.8	10	3.9
3	4.8	6.3	11	23	21	13	26	8.0	7.1	6.2	6.0	4.3
4	4.7	6.1	11	19	18	13	23	8.7	10	5.9	4.4	4.4
5	4.4	5.5	10	17	16	12	21	8.2	10	5.5	4.0	4.8
6	5.0	5.5	11	15	13	11	19	7.9	8.6	5.4	3.8	4.3
7	5.5	5.5	11	13	11	11	17	7.5	8.8	5.0	3.5	3.9
8	5.1	5.7	11	11	9.8	11	17	8.6	7.8	4.8	3.4	3.7
9	4.9	8.7	11	9.8	8.3	15	15	9.6	7.2	4.7	3.3	6.5
10	4.8	9.2	11	9.2	7.3	43	13	8.2	6.4	4.6	3.2	6.2
11	4.5	8.4	12	8.1	6.7	76	13	8.0	14	4.5	3.0	7.1
12	4.3	33	11	7.6	6.5	74	13	8.0	24	5.4	2.9	6.4
13	4.8	11	12	6.5	64	59	12	8.1	86	5.9	3.0	16
14	3.5	8.7	12	6.4	93	49	12	8.1	73	5.1	3.3	14
15	3.5	16	11	6.0	197	40	11	8.4	52	4.7	3.4	9.5
16	6.5	15	12	5.5	106	33	10	11	39	4.7	3.6	8.2
17	5.1	11	12	5.1	72	30	10	8.9	31	11	4.9	6.6
18	5.5	9.7	12	4.8	56	26	10	11	26	9.6	3.5	5.8
19	5.3	14	12	4.2	45	22	10	13	22	7.3	4.0	5.4
20	5.0	32	12	3.9	40	20	10	11	19	6.1	8.8	5.3
21	4.9	18	11	3.5	36	18	10	9.3	17	5.4	8.3	5.3
22	5.5	14	13	3.3	32	16	9.7	14	14	5.1	5.2	5.4
23	10	12	14	3.1	28	15	9.4	11	13	5.4	4.5	5.3
24	7.5	12	12	3.0	25	14	9.1	9.3	12	5.2	5.5	5.2
25	6.4	12	11	13	22	13	8.8	8.6	10	5.8	4.5	5.7
26	6.0	19	11	24	20	12	8.5	8.6	9.3	4.9	4.6	5.4
27	6.1	14	20	18	19	12	8.5	8.3	9.4	4.1	4.4	5.1
28	6.1	13	19	36	17	21	8.5	7.8	9.0	3.9	4.1	5.2
29	6.0	13	16	45	---	21	8.6	7.2	7.7	3.6	3.7	5.7
30	6.0	12	15	35	---	30	8.5	6.8	7.5	3.8	4.4	6.0
31	6.0	---	27	28	---	34	---	6.5	---	8.6	4.7	---
TOTAL	168.6	361.9	396	448.0	1035.6	792	412.6	276.0	573.5	177.1	145.6	184.2
MEAN	5.44	12.1	12.8	14.5	37.0	25.5	13.8	8.90	19.1	5.71	4.70	6.14
MAX	10	33	27	45	197	76	32	14	86	11	10	16
MIN	3.5	5.5	10	3.0	6.5	11	8.5	6.5	6.3	3.6	2.9	3.6
AC-FT	334	718	785	889	2050	1570	818	547	1140	351	289	365
CFSM	.38	.85	.90	1.02	2.60	1.80	.97	.63	1.35	.40	.33	.43
IN.	.44	.95	1.04	1.17	2.71	2.07	1.08	.72	1.50	.46	.38	.48

CAL YR 1988 TOTAL 4994.8 MEAN 13.6 MAX 383 MIN 3.3 AC-FT 9910 CFSM .96 IN. 13.08
WTR YR 1989 TOTAL 4971.1 MEAN 13.6 MAX 197 MIN 2.9 AC-FT 9860 CFSM .96 IN. 13.02

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLA.

LOCATION.--Lat 36°12'58", long 94°36'15", in NE¼NE¼ sec.14, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on left bank 180 ft downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Okla.

DRAINAGE AREA.--59.8 mi².

PERIOD OF RECORD.--June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

AVERAGE DISCHARGE.--10 years, 44.1 ft³/s, 31,950 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,590 ft³/s Dec. 21, 1984, gage height, 11.99 ft; minimum daily, 0.40 ft³/s Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 543 ft³/s June 13, gage height, 5.74 ft; minimum, 6.9 ft³/s Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.7	14	49	69	64	90	25	20	25	16	11
2	8.7	8.8	14	48	64	59	83	24	19	23	14	11
3	8.9	9.7	13	42	62	58	77	24	19	23	13	11
4	9.1	10	12	35	54	62	68	25	21	22	12	11
5	8.9	10	12	33	49	62	62	26	22	21	11	15
6	8.9	10	12	29	46	58	57	25	23	20	12	15
7	8.9	10	12	27	42	53	54	25	21	19	12	15
8	8.9	10	12	24	39	52	51	30	21	18	11	15
9	8.9	10	11	23	36	58	49	58	20	18	11	14
10	8.9	11	11	21	35	128	46	47	19	18	11	15
11	8.5	11	11	21	40	261	43	26	28	18	11	21
12	8.1	30	12	20	41	245	42	23	46	20	11	17
13	8.1	31	12	18	177	194	41	22	242	21	11	25
14	8.1	19	12	18	271	163	38	22	228	19	11	22
15	7.9	16	11	18	473	136	37	21	134	19	11	15
16	8.8	31	11	18	331	121	35	22	99	19	11	13
17	9.2	21	11	18	229	109	35	21	77	25	11	23
18	9.1	17	11	18	187	99	37	31	63	22	11	11
19	9.3	18	12	18	160	89	35	56	52	22	11	13
20	8.9	33	12	17	149	82	32	42	46	18	14	14
21	8.9	32	12	17	132	72	32	36	42	15	13	10
22	8.9	24	14	18	118	69	31	45	38	15	11	8.5
23	10	20	15	18	109	62	30	51	35	15	12	8.5
24	9.1	17	15	18	102	57	30	33	34	14	12	8.9
25	8.9	18	15	31	95	56	30	29	31	14	11	9.3
26	8.9	29	15	67	89	54	29	26	43	13	11	9.3
27	8.9	24	19	61	88	52	29	25	42	12	11	9.3
28	8.8	20	26	74	79	72	26	24	39	12	11	8.9
29	8.5	17	25	134	---	75	27	21	34	12	11	8.9
30	8.5	15	24	104	---	75	33	20	29	12	11	8.9
31	8.5	---	29	84	---	92	---	21	---	18	11	---
TOTAL	271.9	541.2	447	1141	3366	2889	1309	928	1587	562	361	397.5
MEAN	8.77	18.0	14.4	36.8	120	93.2	43.6	29.9	52.9	18.1	11.6	13.2
MAX	10	33	29	134	473	261	90	58	242	25	16	25
MIN	7.9	8.7	11	17	35	52	26	20	19	12	11	8.5
AC-FT	539	1070	887	2260	6680	5730	2600	1840	3150	1110	716	788

CAL YR 1988 TOTAL 15301.6 MEAN 41.8 MAX 918 MIN 6.4 AC-FT 30350
WTR YR 1989 TOTAL 13800.6 MEAN 37.8 MAX 473 MIN 7.9 AC-FT 27370

07196900 BARON FORK AT DUTCH MILLS, ARK.

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County. Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--40.6 mi² (corrected.)

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year. Prior to October 1969, published as "Barren Fork at Dutch Mills."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Water-discharge records good.

AVERAGE DISCHARGE.--31 years, 41.0 ft³/s, 13.71 in/yr, 29,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft³/s Nov. 18, 1985, gage height, 14.81 ft, from rating curve extended above 2,900 ft³/s on basis of contracted-opening measurement at 12,900 ft³/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 13	1215	3,610	7.43	June 03	unk	2,560	b6.46
Mar. 28	0930	2,110	6.01	June 12	0945	*4,660	*8.24

b from maximum stage indicator.

Minimum discharge, 0.32 ft³/s Sept. 23, gage height, 1.30 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	.92	5.3	24	42	43	133	e8.5	e30	23	6.0	1.8
2	1.6	.94	4.7	18	76	39	104	e8.0	e30	15	4.4	1.6
3	1.4	1.3	3.9	15	105	37	88	e7.0	e700	12	3.6	1.6
4	1.2	1.4	3.7	11	56	52	73	e6.5	e400	9.9	3.1	1.5
5	1.1	1.1	3.3	10	40	51	61	e6.5	e250	8.3	2.8	1.5
6	1.2	.97	3.2	9.4	32	51	54	e6.0	e150	7.4	2.7	1.6
7	1.1	.87	3.2	8.0	26	47	49	e5.0	e85	6.7	2.6	1.6
8	1.2	.92	4.4	6.2	25	58	45	e4.5	210	6.3	2.4	1.6
9	1.0	1.1	4.8	5.1	21	169	41	e40	102	6.2	2.4	5.4
10	.99	1.5	4.6	4.7	21	561	38	e35	62	5.9	2.5	3.7
11	.86	1.5	4.1	4.1	22	438	35	e30	217	5.6	2.4	7.5
12	.79	16	4.0	3.8	25	212	34	e20	1020	6.0	2.3	5.6
13	.73	7.0	3.8	3.2	1090	134	31	e15	567	6.6	2.2	52
14	.71	2.1	4.0	3.1	513	104	30	e15	303	6.7	2.3	22
15	.75	2.2	3.8	2.8	848	81	29	e30	162	6.0	2.2	5.3
16	.96	7.3	3.6	2.5	302	68	27	e90	115	6.0	2.3	2.7
17	.84	3.5	3.7	2.2	180	60	24	e55	84	48	2.6	1.6
18	.94	2.4	3.8	2.1	156	69	24	e120	62	28	2.7	1.0
19	.96	23	3.9	1.8	126	60	25	e170	46	15	2.3	.71
20	.91	73	3.9	1.6	150	54	21	e150	36	10	2.4	.59
21	1.0	19	3.6	1.4	131	47	20	e130	29	9.0	2.6	.50
22	.92	7.0	13	1.3	95	43	18	e260	21	7.7	2.4	.43
23	1.5	4.0	33	1.3	75	40	16	e120	18	7.1	2.3	.36
24	1.5	3.0	18	1.2	68	36	15	e90	19	6.7	2.3	.37
25	1.7	39	11	2.0	61	34	14	e70	32	6.7	3.7	.40
26	1.4	116	9.1	109	55	40	13	e60	32	5.7	2.5	.42
27	1.3	34	43	47	53	97	12	e55	67	4.9	2.2	.42
28	1.3	16	75	213	48	765	11	e50	97	4.4	2.0	.46
29	1.2	9.7	43	194	---	360	e10	e45	35	4.1	6.8	.59
30	1.1	7.0	32	96	---	319	e9.5	e40	27	3.9	11	.76
31	.93	---	26	60	---	205	---	e35	---	5.4	2.5	---
TOTAL	34.59	403.72	386.4	864.8	4442	4374	1104.5	1777.0	5008	304.2	96.5	125.61
MEAN	1.12	13.5	12.5	27.9	159	141	36.8	57.3	167	9.81	3.11	4.19
MAX	1.7	116	75	213	1090	765	133	260	1020	48	11	52
MIN	.71	.87	3.2	1.2	21	34	9.5	4.5	18	3.9	2.0	.36
AC-FT	69	801	766	1720	8810	8680	2190	3520	9930	603	191	249
CFSM	.03	.33	.31	.69	3.91	3.48	.91	1.41	4.11	.24	.08	.10
IN.	.03	.37	.35	.79	4.07	4.01	1.01	1.63	4.59	.28	.09	.12

CAL YR 1988 TOTAL 11648.62 MEAN 31.8 MAX 833 MIN .13 AC-FT 23110 CFSM .78 IN. 10.67
WTR YR 1989 TOTAL 18921.32 MEAN 51.8 MAX 1090 MIN .36 AC-FT 37530 CFSM 1.28 IN. 17.34

e Estimated

07196900 BARON FORK AT DUTCH MILLS, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
25.	1300	9827	9827	1.7	7.4	--	5.5	7.0	1.1
NOV									
29.	1100	9827	9827	9.1	6.9	8.0	7.0	10.4	0.6
JAN									
24.	1324	9827	9827	1.2	8.2	10.0	3.0	10.6	0.8
FEB									
28.	1145	9827	9827	49	6.8	8.0	3.0	12.4	0.4
MAR									
28.	1313	9827	9827	--	7.8	15.0	60	8.6	3.3
APR									
25.	1352	9827	9827	15	8.0	21.0	6.0	8.5	1.8
MAY									
23.	1407	9827	9827	116	8.1	22.0	10	9.6	0.8
JUN									
20.	1332	9827	9827	--	7.9	23.0	8.5	8.1	0.9
JUL									
25.	1305	9827	9827	6.8	7.9	24.0	5.2	7.7	1.7
AUG									
22.	1340	9827	9827	2.3	7.9	28.0	5.0	7.0	1.6
SEP									
05.	1335	9827	9827	1.3	8.0	28.0	4.0	8.0	3.1

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
25.	1300	13	14	228	11	0.110	0.040	0.070	0.050
NOV									
29.	1100	8.5	25	191	12	3.50	0.070	0.180	0.150
JAN									
24.	1324	9.5	25	195	4	2.10	<0.010	0.120	0.100
FEB									
28.	1145	6.5	16	177	6	4.10	0.040	0.110	0.080
MAR									
28.	1313	3.0	--	119	102	1.20	--	--	0.160
APR									
25.	1352	6.7	--	159	13	1.70	0.130	0.120	0.080
MAY									
23.	1407	3.7	15	142	12	1.30	<0.010	0.140	--
JUN									
20.	1332	3.2	9.0	144	15	2.10	<0.010	0.110	0.020
JUL									
25.	1305	5.8	--	198	7	1.40	<0.050	0.160	0.060
AUG									
22.	1340	7.1	11	202	9	--	<0.050	0.090	0.080
SEP									
05.	1335	8.1	8.0	--	5	0.370	<0.050	0.110	--

07196900 BARON FORK AT DUTCH MILLS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
25.	1300	<1	--	<15	12	<0.50	--	3.4
NOV								
29.	1100	<1	<1	30	12	--	20	3.0
JAN								
24.	1324	<1	<1	<15	3	--	20	4.7
FEB								
28.	1145	3	<1	31	11	--	20	3.5
MAR								
28.	1313	<1	1	43	25	--	<10	9.6
APR								
25.	1352	<1	<1	24	--	--	<10	4.9
MAY								
23.	1407	<1	<1	<15	17	--	10	3.5
JUN								
20.	1332	<1	<1	20	17	--	10	4.3
JUL								
25.	1305	1	<1	<15	12	--	10	4.3
AUG								
22.	1340	1	2	19	16	--	10	4.5
SEP								
05.	1335	<1	1	26	<2	<0.40	20	5.3

07246940 POTEAU RIVER AT WALDRON, ARK.

LOCATION.--Lat 34°53'46", long 94°03'57", in SW ¼ SE ¼ sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at downstream side of bridge on State Highway 80 in Waldron, 1.8 mi east of Waldron High School.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 11...	1100	9827	9827	--	8.0	18.0	10	--	2.3	11
NOV 08...	1100	9827	9827	0.0	8.0	11.0	20	7.2	2.9	15
DEC 13...	1030	9827	9827	4.0	7.2	4.0	45	12.2	0.8	10
JAN 10...	1136	9827	9827	5.6	8.1	4.0	30	13.0	1.2	8.5
FEB 07...	1130	9827	9827	6.7	7.1	0.0	20	--	1.1	6.0
MAR 14...	1045	9827	9827	8.5	6.8	16.0	15	10.4	0.8	4.0
APR 11...	1125	9827	9827	5.0	7.5	9.0	15	11.9	1.7	4.5
MAY 09...	1020	9827	9827	20	7.3	18.0	60	8.2	3.9	4.6
JUN 13...	1100	9827	9827	87	7.4	21.0	170	7.8	4.6	5.3
JUL 11...	1155	9827	9827	0.0	7.5	28.0	15	7.3	3.4	7.6
AUG 08...	1420	9827	9827	0.0	7.5	25.0	30	8.8	3.3	--
SEP 12...	1115	9827	9827	0.0	7.4	23.0	70	5.1	--	11

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)
OCT 11...	1100	12	--	12	0.010	0.020	0.38	0.40	0.060
NOV 08...	1100	16	118	15	0.020	0.050	0.25	0.30	0.110
DEC 13...	1030	16	84	4	0.240	0.070	0.43	0.50	0.080
JAN 10...	1136	15	83	5	0.200	0.050	0.55	0.60	0.090
FEB 07...	1130	12	57	6	0.180	0.080	0.42	0.50	0.080
MAR 14...	1045	10	48	4	0.060	0.030	0.27	0.30	0.030
APR 11...	1125	13	56	7	0.020	0.030	0.37	0.40	0.050
MAY 09...	1020	12	87	29	0.160	0.200	0.70	0.90	0.170
JUN 13...	1100	--	86	147	0.120	<0.010	--	1.4	--
JUL 11...	1155	--	96	17	<0.020	<0.050	--	0.80	0.070
AUG 08...	1420	--	87	19	<0.020	0.050	0.95	1.0	0.110
SEP 12...	1115	11	113	71	0.060	0.140	0.70	0.84	0.140

07246940 POTEAU RIVER AT WALDRON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1100	0.010	1	<1	<15	<1	<0.50	<10	--
NOV									
08...	1100	0.040	--	<1	--	--	--	<10	6.5
DEC									
13...	1030	0.050	--	1	<15	7	--	<10	6.2
JAN									
10...	1136	0.100	--	<1	<15	<1	--	10	5.7
FEB									
07...	1130	0.040	3	<1	57	<1	--	<10	4.8
MAR									
14...	1045	0.030	1	<1	<15	1	--	<10	3.2
APR									
11...	1125	0.010	2	1	--	21	--	<10	3.5
MAY									
09...	1020	0.080	8	<1	17	9	--	30	8.3
JUN									
13...	1100	0.140	2	2	20	9	--	10	8.8
JUL									
11...	1155	0.030	2	<1	<15	1	--	<10	7.6
AUG									
08...	1420	<0.030	3	<1	<2	--	--	<10	7.3
SEP									
12...	1115	--	<1	<1	<1	9	<0.40	<10	4.7

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK.

LOCATION.--Lat 34°54'47", long 94°06'28", in SE ¼ SW ¼ sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on U.S. Highway 71, 0.9 mi north of Waldron city limits and Kansas City Southern Railroad crossing.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
11...	1045	9827	9827	--	7.1	18.0	10	--	5.9	83
NOV										
08...	1045	9827	9827	1.1	7.2	15.0	8.0	4.2	6.0	87
DEC										
13...	1010	9827	9827	5.1	7.1	9.0	40	11.3	1.8	13
JAN										
10...	1120	9827	9827	6.7	7.6	5.0	25	11.3	2.0	13
FEB										
07...	1110	9827	9827	7.8	7.1	0.0	25	--	1.8	4.5
MAR										
14...	1030	9827	9827	9.6	6.7	15.0	20	9.4	2.9	10
APR										
11...	1100	9827	9827	6.1	7.2	10.0	10	9.8	1.9	15
MAY										
09...	1000	9827	9827	21	7.0	19.0	90	7.2	--	6.9
JUN										
13...	1050	9827	9827	89	7.4	22.0	35	7.6	2.0	4.0
JUL										
11...	1130	9827	9827	1.1	7.2	29.0	10	6.1	--	29
AUG										
08...	1445	9827	9827	1.1	7.1	27.0	40	5.5	1.1	--
SEP										
12...	1100	9827	9827	1.1	7.1	25.0	20	0.7	26	62

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1045	48	--	20	3.00	1.70	0.0	1.7	10.2
NOV									
08...	1045	43	319	12	2.90	0.640	1.6	2.2	10.8
DEC									
13...	1010	16	95	7	0.650	0.290	0.81	1.1	0.820
JAN									
10...	1120	17	98	11	0.680	0.530	0.97	1.5	1.00
FEB									
07...	1110	10	44	8	0.210	0.090	0.41	0.50	0.080
MAR									
14...	1030	12	60	12	0.370	2.00	--	--	1.10
APR									
11...	1100	22	94	8	0.700	0.340	0.56	0.90	1.40
MAY									
09...	1000	19	97	70	0.860	0.390	1.2	1.6	0.670
JUN									
13...	1050	--	54	37	0.070	<0.010	--	0.86	--
JUL									
11...	1130	--	155	14	1.00	0.440	0.96	1.4	3.50
AUG									
08...	1445	--	187	24	2.20	1.82	0.0	1.3	6.50
SEP									
12...	1100	38	264	23	0.040	9.96	1.0	11	12.4

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1045	9.10	2	<1	15	<1	<0.50	50	--
NOV									
08...	1045	9.60	--	<1	--	--	--	50	8.8
DEC									
13...	1010	0.770	--	<1	<15	8	--	<10	8.7
JAN									
10...	1120	0.910	--	<1	<15	<1	--	<10	6.7
FEB									
07...	1110	0.060	3	<1	20	<1	--	<10	6.1
MAR									
14...	1030	1.10	--	3	<15	1	--	20	5.5
APR									
11...	1100	1.20	2	1	--	<1	--	<10	5.5
MAY									
09...	1000	0.470	<1	1	<15	5	--	30	11
JUN									
13...	1050	<0.010	3	1	34	13	--	20	6.3
JUL									
11...	1130	3.55	1	<1	<15	2	--	<10	8.3
AUG									
08...	1445	5.40	2	<1	--	<2	--	20	8.5
SEP									
12...	1100	--	1	<1	<15	<2	<0.40	20	9.8

07247000 POTEAU RIVER AT CAUTHRON, ARK.

LOCATION.--Lat 34°55'08", long 94°17'55", in NW¼SW¼ sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi².

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft above National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. As of September 1974, flow from 92.2 mi² upstream from this station is controlled by 16-floodwater detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment storage capacity.

AVERAGE DISCHARGE.--50 years, 220 ft³/s, 159,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft³/s May 20, 1960, gage height, 23.76 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,510 ft³/s Feb. 15, gage height, 18.42 ft; minimum, 0.31 ft³/s Oct. 19, 20, gage height, 3.24 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.1	237	274	450	391	505	263	237	e40	82	2.3
2	3.9	4.1	231	221	420	332	426	139	181	e35	59	2.0
3	e9.5	2.6	184	189	1040	228	376	119	318	e120	48	21
4	e7.0	2.5	149	152	577	438	320	508	3470	e80	40	26
5	e5.0	2.0	91	195	441	1200	248	480	1620	e55	35	16
6	e3.5	1.8	82	351	346	802	202	304	1820	e45	39	9.0
7	e2.5	1.6	67	228	307	720	160	243	883	e45	168	6.4
8	e2.5	1.8	75	170	292	987	139	186	646	e40	58	6.3
9	e3.0	2.2	102	150	246	1140	105	1220	516	e35	39	8.8
10	e3.0	3.3	102	183	205	1090	86	704	408	e35	33	21
11	e2.0	2.4	86	158	184	907	74	428	387	e35	27	24
12	e1.5	4.1	96	163	165	699	67	333	617	e30	21	23
13	1.4	13	101	386	924	613	60	272	943	e90	17	30
14	1.3	33	90	395	3220	580	69	265	854	e50	15	44
15	.86	25	79	370	7610	495	89	242	523	e40	13	55
16	.77	13	65	287	3960	400	76	1010	382	e35	11	51
17	.54	35	55	245	2760	399	66	2300	285	e1200	10	46
18	.39	30	58	201	2500	362	60	3360	216	e780	11	42
19	.49	457	49	177	1680	244	1290	1350	156	e450	8.6	37
20	.45	1240	47	138	1460	598	582	1330	117	e270	6.1	35
21	.71	302	47	123	1400	606	336	1040	89	e210	4.4	32
22	4.6	135	46	105	1080	390	213	1140	71	e190	4.2	29
23	11	92	108	93	835	329	150	1050	59	e450	3.7	24
24	5.9	67	94	86	666	294	129	649	49	e600	3.0	21
25	3.6	141	72	94	581	246	112	516	44	432	2.6	16
26	3.8	3040	65	1230	533	250	79	420	e40	249	2.2	13
27	3.8	1250	352	649	501	554	72	1230	e120	154	2.0	11
28	3.3	657	1230	728	492	926	64	666	e80	124	3.9	9.1
29	2.5	461	568	1630	---	1410	49	462	e50	107	2.5	8.7
30	2.2	295	418	832	---	1030	80	366	e40	81	2.1	8.8
31	2.2	---	334	588	---	716	---	295	---	146	2.8	---
TOTAL	96.11	8316.5	5380	10791	34875	19376	6286	22890	15221	6253	774.1	678.4
MEAN	3.10	277	174	348	1246	625	210	738	507	202	25.0	22.6
MAX	11	3040	1230	1630	7610	1410	1290	3360	3470	1200	168	55
MIN	.39	1.6	46	86	165	228	49	119	40	30	2.0	2.0
AC-FT	191	16500	10670	21400	69170	38430	12470	45400	30190	12400	1540	1350

CAL YR 1988 TOTAL 48388.72 MEAN 132 MAX 3040 MIN .39 AC-FT 95980
WTR YR 1989 TOTAL 130937.11 MEAN 359 MAX 7610 MIN .39 AC-FT 259700

e Estimated

07249400 JAMES FORK NEAR HACKETT, ARK.

LOCATION.--Lat 35°09'45", long 94°24'25", in NW¼NW¼ sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 459.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--31 years, 136 ft^3/s, 12.56 in/yr, 98,530 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s May 14, 1968, gage height, 23.00 ft, from rating curve extended above 20,000 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 15	1900	7,130	20.65	May 27	1300	4,230	18.56
Mar. 28	1700	4,610	19.11	June 4	1000	3,550	17.12
May 22	2100	*7,240	*20.69				

No flow for part of Oct. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	5.2	38	81	216	194	270	41	119	40	41	9.7
2	3.5	4.8	33	69	309	173	211	40	98	39	36	17
3	3.9	4.7	30	61	794	164	180	40	140	74	31	15
4	3.9	5.2	26	54	326	464	237	144	2650	44	27	11
5	3.4	7.9	23	71	257	725	150	106	1350	39	23	9.4
6	3.3	8.1	21	121	214	350	123	55	1350	38	21	9.1
7	2.7	7.8	21	72	192	339	105	41	383	38	19	9.1
8	3.0	7.1	24	54	192	706	92	38	275	e30	21	9.5
9	2.5	6.3	30	45	163	936	78	46	195	e30	17	14
10	2.0	6.5	30	43	149	744	71	61	146	e30	16	18
11	1.7	7.5	30	41	142	541	65	43	142	e25	15	12
12	1.8	14	32	39	137	356	61	35	343	e25	14	9.9
13	1.9	e25	34	42	510	285	58	90	1020	e60	13	16
14	1.7	e25	30	70	1250	249	61	193	686	e35	13	18
15	1.4	e20	26	91	5340	208	83	133	263	e30	13	11
16	.90	e15	23	63	2520	174	68	850	180	e25	13	9.4
17	.80	e30	20	53	1020	159	57	881	140	e1100	13	7.6
18	.85	e20	18	48	1430	151	59	1000	111	e500	12	6.1
19	.40	e50	17	43	627	141	271	731	88	e280	11	5.4
20	.60	e120	16	39	614	214	107	955	74	e200	9.7	4.6
21	.80	e55	15	36	662	261	72	528	62	e170	8.8	5.1
22	.90	e40	16	33	393	178	60	3840	55	e150	8.8	4.4
23	1.7	e30	120	30	305	152	52	1860	50	e210	8.5	3.4
24	3.4	25	60	28	277	137	47	420	47	e150	8.2	3.0
25	4.6	21	43	42	252	125	44	262	48	e130	8.0	2.2
26	5.3	337	35	1360	234	122	43	206	44	75	8.8	1.9
27	5.7	178	144	367	233	197	42	2880	78	56	8.8	1.7
28	6.9	78	588	531	232	2810	41	647	48	68	9.2	1.6
29	6.9	53	188	1100	---	1380	41	299	41	48	12	1.8
30	6.4	44	124	367	---	1130	41	201	41	42	14	1.8
31	5.8	---	94	266	---	404	---	149	---	86	9.8	---
TOTAL	91.85	1251.1	1949	5360	18990	14169	2890	16815	10267	3867	483.6	248.7
MEAN	2.96	41.7	62.9	173	678	457	96.3	542	342	125	15.6	8.29
MAX	6.9	337	588	1360	5340	2810	271	3840	2650	1100	41	18
MIN	.40	4.7	15	28	137	122	41	35	41	25	8.0	1.6
AC-FT	182	2480	3870	10630	37670	28100	5730	33350	20360	7670	959	493
CFSM	.02	.28	.43	1.18	4.61	3.11	.66	3.69	2.33	.85	.11	.06
IN.	.02	.32	.49	1.36	4.81	3.59	.73	4.26	2.60	.98	.12	.06

CAL YR 1988 TOTAL 32785.90 MEAN 89.6 MAX 2840 MIN .40 AC-FT 65030 CFSM .61 IN. 8.30
WTR YR 1989 TOTAL 76382.25 MEAN 209 MAX 5340 MIN .40 AC-FT 151500 CFSM 1.42 IN. 19.33

e Estimated

07249400 JAMES FORK NEAR HACKETT, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1958 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT									
11...	1950	9827	9827	--	--	6.9	14.0	7.0	--
NOV									
08...	0941	9827	9827	--	7.0	7.3	11.0	4.5	3.3
DEC									
13...	0905	9827	9827	--	35	6.8	5.0	8.5	10.9
JAN									
10...	1020	9827	9827	--	43	6.7	6.0	35	10.4
FEB									
07...	1010	9827	9827	--	187	6.8	0.0	20	--
MAR									
14...	0932	9827	9827	--	252	6.8	15.0	20	8.9
APR									
11...	1000	9827	9827	--	66	7.4	11.0	10	9.5
MAY									
09...	0912	9827	9827	--	38	7.4	19.0	30	6.6
JUN									
13...	0930	9827	9827	--	275	7.2	23.0	55	7.0
JUL									
11...	1015	9827	9827	25	--	7.5	27.0	10	5.5
AUG									
08...	1530	9827	9827	--	--	7.8	25.0	15	6.7
SEP									
12...	1000	9827	9827	--	9.7	7.6	24.0	20	4.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1950	0.6	6.0	100	--	10	0.040	0.810	0.030
NOV									
08...	0941	2.0	11	93	375	8	0.030	0.090	0.050
DEC									
13...	0905	0.6	5.5	100	268	5	0.090	0.030	0.020
JAN									
10...	1020	0.9	5.5	51	162	9	0.170	0.050	0.060
FEB									
07...	1010	0.7	5.0	39	95	6	0.320	0.050	0.080
MAR									
14...	0932	0.6	3.5	47	103	10	0.190	0.120	0.030
APR									
11...	1000	0.7	4.5	72	148	10	0.050	0.010	0.040
MAY									
09...	0912	1.2	4.1	58	147	25	0.140	0.090	0.040
JUN									
13...	0930	2.3	4.8	--	103	47	0.140	0.040	--
JUL									
11...	1015	1.2	9.9	--	211	13	0.030	0.150	0.030
AUG									
08...	1530	1.2	--	--	194	15	0.080	<0.050	0.070
SEP									
12...	1000	1.2	5.4	87	233	16	0.110	0.390	0.060

07249400 JAMES FORK NEAR HACKETT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1950	0.010	5	<1	26	<1	<0.50	<10	--
NOV									
08...	0941	0.050	--	1	--	--	--	10	9.5
DEC									
13...	0905	0.010	--	<1	<15	3	--	<10	3.1
JAN									
10...	1020	0.070	1	--	<15	2	--	<10	6.3
FEB									
07...	1010	0.030	2	<1	32	<1	--	10	3.7
MAR									
14...	0932	0.030	1	<1	<15	<1	--	10	2.8
APR									
11...	1000	<0.010	2	<1	--	<1	--	10	3.2
MAY									
09...	0912	0.020	2	<1	<15	2	--	<10	5.3
JUN									
13...	0930	<0.010	1	1	27	2	--	10	6.2
JUL									
11...	1015	0.060	1	<1	<15	3	--	<10	5.1
AUG									
08...	1530	<0.030	1	<1	--	<2	--	<10	3.5
SEP									
12...	1000	--	<1	<1	<15	<2	<0.40	<10	3.0

07250000 LEE CREEK NEAR VAN BUREN, ARK.

LOCATION.--Lat 35°29'40", long 94°26'58", in SE¼ sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., Hydrologic Unit 11110104, on right bank 300 ft west of Arkansas-Oklahoma State line, 3.2 mi downstream from Webbers Creek, 6.8 mi northwest of Van Buren, and at mile 7.8.

DRAINAGE AREA.--426 mi².

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year.

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 408.04 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--45 years (1930-36, 1950-89), 514 ft³/s, 16.39 in/yr, 372,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft³/s May 6, 1960, gage height, 30.30 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft, from floodmarks, discharge about 112,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 13	2200	*28,600	*20.07	Feb. 15	1700	14,000	13.79

Minimum discharge, 1.6 ft³/s Aug. 28, gage height, 0.51 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	1.9	277	376	1100	599	1880	103	409	215	21	6.2
2	8.6	2.1	235	342	1930	543	1440	100	350	217	20	6.5
3	8.0	2.4	201	310	4390	509	1140	106	574	220	20	6.6
4	7.3	2.7	165	279	2160	704	929	159	1940	257	17	6.3
5	6.6	3.4	132	269	1370	990	765	207	5650	183	16	6.3
6	6.4	3.4	112	274	973	833	660	186	3580	125	15	6.3
7	6.4	3.2	108	260	772	749	586	151	1720	103	13	6.0
8	6.6	3.2	108	243	651	863	527	130	1230	95	11	5.9
9	6.7	3.2	107	221	562	1410	472	905	960	88	9.6	6.5
10	6.7	4.8	103	204	542	3080	424	752	711	75	8.8	7.0
11	6.6	6.9	105	195	469	4400	385	497	1240	66	8.2	6.8
12	6.0	9.6	106	171	444	3200	356	384	6200	58	7.6	6.8
13	5.2	10	104	147	12400	2200	332	334	5570	51	7.1	6.8
14	5.1	12	101	139	11100	1610	316	374	4380	44	6.9	6.8
15	4.9	18	97	128	11700	1200	306	545	2230	40	6.5	6.9
16	4.8	33	93	111	7190	956	287	1450	1410	35	6.0	7.2
17	4.2	26	89	107	3900	834	266	1810	979	36	5.5	7.4
18	3.8	28	83	104	3450	1500	256	3300	746	314	6.0	7.2
19	2.8	306	78	101	2550	1530	353	6930	583	278	6.0	7.1
20	2.9	1150	74	97	2210	1210	318	5350	476	174	5.4	7.1
21	2.7	747	66	93	2180	980	295	3250	399	110	4.6	7.2
22	2.4	437	88	92	1640	841	270	3450	341	95	3.9	6.8
23	3.7	318	226	88	1270	752	246	2830	295	83	3.4	6.8
24	3.9	252	255	80	1030	674	225	1630	257	75	3.0	6.7
25	3.6	360	279	1330	879	602	205	1050	223	73	2.7	6.4
26	2.8	1990	250	4930	789	548	183	1660	195	58	2.6	6.3
27	2.1	1010	248	2340	741	1550	160	2100	247	47	2.2	6.3
28	2.1	595	486	2540	682	4730	133	1170	395	37	1.8	6.3
29	2.0	443	622	5300	---	5780	115	815	312	31	3.6	5.8
30	1.8	332	500	2530	---	5660	107	618	245	28	4.2	5.9
31	1.7	---	423	1570	---	2780	---	491	---	25	5.8	---
TOTAL	146.0	8113.8	5921	24971	79074	53817	13937	42837	43847	3336	254.4	198.2
MEAN	4.71	270	191	806	2824	1736	465	1382	1462	108	8.21	6.61
MAX	8.6	1990	622	5300	12400	5780	1880	6930	6200	314	21	7.4
MIN	1.7	1.9	66	80	444	509	107	100	195	25	1.8	5.8
AC-FT	290	16090	11740	49530	156800	106700	27640	84970	86970	6620	505	393
CFSM	.01	.63	.45	1.89	6.63	4.08	1.09	3.24	3.43	.25	.02	.02
IN.	.01	.71	.52	2.18	6.91	4.70	1.22	3.74	3.83	.29	.02	.02

CAL YR 1988 TOTAL 148946.03 MEAN 407 MAX 11200 MIN .18 AC-FT 295400 CFSM .96 IN. 13.01
WTR YR 1989 TOTAL 276452.4 MEAN 757 MAX 12400 MIN 1.7 AC-FT 548300 CFSM 1.78 IN. 24.14

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.

LOCATION.--Lat 35°25'42", long 94°21'37", in SE ¼ SW ¼ sec.25, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, near left bank on upstream side of bridge on U.S. Highway 64 and 71 at Van Buren, 1.4 mi downstream from Lee Creek, 8.7 mi downstream from Poteau River, and at mile 316.5.

DRAINAGE AREA.--150,482 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1945 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1970.
SEDIMENT RECORDS: October 1967 to September 1970.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT										
11...	0845	9827	9827	8540	--	8.0	18.0	10	--	0.9
NOV										
08...	0815	9827	9827	0.0	--	7.9	14.0	7.0	9.7	2.0
DEC										
13...	0800	9827	9827	73	--	7.1	6.0	25	11.0	1.5
JAN										
10...	0900	9827	9827	2780	--	7.8	4.0	20	12.7	1.6
FEB										
07...	0830	9827	9827	7220	--	6.8	1.0	50	--	1.4
MAR										
14...	0830	9827	9827	47200	--	6.8	10.0	40	10.7	1.6
APR										
11...	0840	9827	9827	34600	--	8.0	12.0	35	10.0	2.4
MAY										
09...	0800	9827	9827	0.0	--	8.0	20.0	25	8.7	2.7
31...	1100	80513	80020	--	580	8.0	--	--	--	--
JUN										
13...	0830	9827	9827	126000	--	7.7	19.0	35	7.7	2.1
JUL										
11...	0900	9827	9827	5900	--	8.1	29.0	20	7.7	2.1
AUG										
08...	0800	9827	9827	400	--	8.2	21.0	10	9.3	2.5
SEP										
12...	0845	9827	9827	25600	--	8.0	25.0	15	8.6	2.7

DATE	TIME	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT										
11...	0845	--	--	--	--	--	--	--	210	98
NOV										
08...	0815	--	--	--	--	--	--	--	240	88
DEC										
13...	0800	--	--	--	--	--	--	--	66	47
JAN										
10...	0900	--	--	--	--	--	--	--	85	49
FEB										
07...	0830	--	--	--	--	--	--	--	30	28
MAR										
14...	0830	--	--	--	--	--	--	--	31	35
APR										
11...	0840	--	--	--	--	--	--	--	150	66
MAY										
09...	0800	--	--	--	--	--	--	--	65	46
31...	1100	120	34	8.9	67	54	3	2.9	100	45
JUN										
13...	0830	--	--	--	--	--	--	--	120	--
JUL										
11...	0900	--	--	--	--	--	--	--	170	--
SEP										
12...	0845	--	--	--	--	--	--	--	94	55

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
11...	0845	--	--	--	--	--	17	0.010	--	0.020
NOV										
08...	0815	--	--	686	--	--	13	0.020	--	0.040
DEC										
13...	0800	--	--	265	--	--	13	0.300	--	0.100
JAN										
10...	0900	--	--	315	--	--	18	0.290	--	0.050
FEB										
07...	0830	--	--	154	--	--	24	0.320	--	0.110
MAR										
14...	0830	--	--	175	--	--	28	0.350	--	0.170
APR										
11...	0840	--	--	423	--	--	31	0.250	--	0.020
MAY										
09...	0800	--	--	269	--	--	27	0.110	--	0.150
31...	1100	0.20	4.2	360	314	0.49	--	--	0.400	--
JUN										
13...	0830	--	--	352	--	--	35	0.190	--	<0.010
JUL										
11...	0900	--	--	517	--	--	20	0.180	--	0.070
AUG										
08...	0800	--	--	473	--	--	16	0.060	--	<0.050
SEP										
12...	0845	--	--	336	--	--	19	0.280	--	<0.050

DATE	TIME	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, DISSOLVED (UG/L AS CO) (01035)
OCT										
11...	0845	0.110	0.050	--	--	--	<1	--	<1	--
NOV										
08...	0815	0.100	0.040	--	--	--	--	--	<1	--
DEC										
13...	0800	0.110	0.060	--	--	--	<1	--	3	--
JAN										
10...	0900	0.110	0.080	--	--	--	<1	--	<1	--
FEB										
07...	0830	0.140	0.080	--	--	--	1	--	1	--
MAR										
14...	0830	0.080	0.050	--	--	--	<1	--	<1	--
APR										
11...	0840	0.120	0.020	--	--	--	<1	--	1	--
MAY										
09...	0800	0.070	0.020	--	--	--	<1	--	<1	--
31...	1100	--	--	73	<0.5	50	--	2	--	<3
JUN										
13...	0830	--	0.010	--	--	--	<1	--	2	--
JUL										
11...	0900	0.080	0.070	--	--	--	<1	--	<1	--
AUG										
08...	0800	0.100	<0.030	--	--	--	<1	--	<1	--
SEP										
12...	0845	0.100	--	--	--	--	<5	--	<1	--

07250500' ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
OCT									
11...	0845	<15	--	--	<1	--	--	--	<0.50
DEC									
13...	0800	<15	--	--	3	--	--	--	--
JAN									
10...	0900	<15	--	--	<1	--	--	--	--
FEB									
07...	0830	<15	--	--	<1	--	--	--	--
MAR									
14...	0830	<15	--	--	1	--	--	--	--
APR									
11...	0840	--	--	--	<1	--	--	--	--
MAY									
09...	0800	<15	--	--	2	--	--	--	--
31...	1100	--	20	86	--	<10	4	17	--
JUN									
13...	0830	<15	--	--	4	--	--	--	--
JUL									
11...	0900	<15	--	--	3	--	--	--	--
AUG									
08...	0800	--	--	--	<2	--	--	--	--
SEP									
12...	0845	<15	--	--	<2	--	--	--	<0.40

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	0845	--	--	--	--	--	<10	--	--
NOV									
08...	0815	--	--	--	--	--	<10	--	7.3
DEC									
13...	0800	--	--	--	--	--	<10	--	7.3
JAN									
10...	0900	--	--	--	--	--	10	--	6.2
FEB									
07...	0830	--	--	--	--	--	10	--	7.6
MAR									
14...	0830	--	--	--	--	--	10	--	5.4
APR									
11...	0840	--	--	--	--	--	<10	--	6.7
MAY									
09...	0800	--	--	--	--	--	20	--	6.3
31...	1100	<10	10	1.0	270	<6	--	21	--
JUN									
13...	0830	--	--	--	--	--	10	--	6.1
JUL									
11...	0900	--	--	--	--	--	<10	--	6.3
AUG									
08...	0800	--	--	--	--	--	<10	--	5.8
SEP									
12...	0845	--	--	--	--	--	<10	--	3.5

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARK.
(National tritium station)
(National stream-quality accounting network station)

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, Hydrologic Unit 11110104, in Dam No. 13 control house on right bank and at mile 308.9.

DRAINAGE AREA.--150,547 mi^2, of which 22,241 mi2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", and October 1969 to September 1988, published as "at Dam No. 13", near Van Buren. Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1554. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi upstream at datum 372.36 ft higher.

REMARKS.--Water-discharge records good. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. Satellite telemeter at station.

AVERAGE DISCHARGE.--62 years, 32,400 ft^3/s, 23,470,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft^3/s May 12, 1943, gage height, 38.0 ft, from floodmark site and datum then in use; maximum gage height, 38.10 ft, former site and datum, Apr. 16, 1945; no flow Nov. 2, 1975, Feb. 1, 1981, Oct. 17, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, that of Apr. 16, 1945, and maximum discharge since at least 1833, that of May 12, 1943. Flood in June 1833 reached a stage of 38.0 ft on Fort Smith gage, from records collected by National Weather Service. Flood of Apr. 16, 1927, reached a stage of 35.0 ft, former site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 140,000 ft^3/s June 14, tailwater elevation, 388.92 ft; minimum daily, 15 ft^3/s Nov. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7220	1140	18100	25100	47400	38700	69200	2350	40300	e49000	23500	36900
2	1240	2470	13200	24300	54200	30400	68300	7940	38500	e40000	24400	35600
3	4170	944	4870	23900	72000	29400	82000	10900	38500	40800	36200	35400
4	7860	6010	5130	20100	50800	37000	80400	8570	41500	38100	20800	36700
5	2380	3670	12700	22700	22600	38000	75500	7370	63900	37700	16000	34100
6	2820	15	4600	22100	19900	43000	54000	e3300	65000	35700	15100	41600
7	2800	1500	9210	23200	36800	30200	54700	e4000	55300	33400	16900	49900
8	1880	778	9590	20700	34800	37300	43400	8200	48500	22500	18000	50800
9	2100	6560	1600	21400	30100	40600	40100	15400	49100	24600	16600	61900
10	3050	1670	6690	19200	e25000	63900	41300	10700	47100	25500	15300	59700
11	3590	47	2850	11600	e12000	91500	37800	11300	49500	34300	11200	55600
12	11400	10900	6270	14900	e12000	89900	35800	6730	91800	32200	6010	53600
13	3050	8340	13700	12300	e58000	73900	37000	2670	129000	34600	4950	74000
14	4370	11500	9250	1240	86200	70600	33500	20800	138000	27600	2140	88100
15	6450	13800	12000	5940	107000	68500	23100	9600	136000	26400	84	78400
16	1500	13900	8250	16100	135000	72400	1600	19600	127000	30600	13100	83000
17	7940	13200	4330	8280	118000	71100	8360	24000	127000	32600	15300	81800
18	3790	5450	3360	12000	110000	e65000	12300	42400	128000	41400	20100	72300
19	9480	7900	2530	7330	89400	e49000	28300	85000	127000	42400	18800	76300
20	4770	11300	2020	8360	79300	e51000	27000	62200	129000	40900	29200	78000
21	4620	e19000	e2500	5520	72200	45600	11100	73400	127000	33800	61500	72200
22	2140	e20000	e8200	2820	73000	42300	5230	69600	87200	32300	54600	49400
23	1820	e22000	16500	9830	73800	40600	6330	83300	75800	37500	40100	41700
24	7740	19700	20400	13800	78600	35800	12000	74700	76900	32300	e35000	42700
25	9570	26400	21700	15300	53200	34200	11600	68100	76000	30200	e31000	43100
26	6820	26400	11100	52200	41100	31000	18300	83500	76200	28800	e32000	39600
27	6870	16600	17100	44600	41400	35900	7660	89000	74400	29000	e28000	40500
28	8940	21800	24600	38700	37800	56700	12800	67000	76300	28300	e29000	39000
29	2780	28900	32100	56500	---	79600	823	65700	74800	17600	e30000	35400
30	1320	15200	27000	52400	---	101000	1180	61600	62300	13900	e30000	36600
31	5870	---	24400	45000	---	82900	---	47600	---	23200	36400	---
TOTAL	150350	337094	355900	657420	1671600	1677000	940683	1148530	2476900	997200	731284	1623900
MEAN	4850	11240	11480	21210	59700	54100	31360	37050	82560	32170	23590	54130
MAX	11400	28900	32100	56500	135000	101000	82000	89000	138000	49000	61500	88100
MIN	1240	15	1600	1240	12000	29400	823	2350	38500	13900	84	34100
AC-FT	298200	668600	705900	1304000	3316000	3326000	1866000	2278000	4913000	1978000	1451000	3221000

CAL YR 1988 TOTAL 12677129 MEAN 34640 MAX 160000 MIN 15 AC-FT 25150000
WTR YR 1989 TOTAL 12767661 MEAN 34980 MAX 138000 MIN 15 AC-FT 25330000

e Estimated

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to September 1981.
WATER TEMPERATURES: October 1969 to September 1972, March 1974 to September 1981.

INSTRUMENTATION.--Water-quality monitor December 1969 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 12...	0845	80513	80020	12300	1180	8.4	18.0	3.5	9.3	99
DEC 19...	1015	80513	80020	10800	571	8.2	7.0	4.9	12.9	108
FEB 01...	1030	80513	80020	49500	578	8.5	8.5	25	11.8	103
APR 11...	1030	80513	80020	38200	935	8.0	14.0	18	9.6	93
JUL 03...	1100	80513	80020	39700	925	8.3	26.0	24	7.3	92
AUG 03...	1030	80513	80020	35300	688	8.2	28.5	7.5	7.0	92

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 12...	0845	760	14	41	220	58	18	150	59	4
DEC 19...	1015	752	17	36	140	42	9.5	53	44	2
FEB 01...	1030	746	560	1100	130	36	8.9	57	49	2
APR 11...	1030	763	13	32	160	43	12	110	60	4
JUL 03...	1100	752	360	71	150	41	11	110	61	4
AUG 03...	1030	753	170	120	140	41	9.4	76	53	3

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 12...	0845	4.2	136	14	138	137	220	100	0.30	1.7
DEC 19...	1015	3.7	100	0	126	103	76	50	0.20	1.5
FEB 01...	1030	3.1	92	0	115	94	83	51	0.20	1.4
APR 11...	1030	3.0	96	0	117	96	170	65	0.20	2.8
JUL 03...	1100	3.9	94	0	115	94	170	63	0.20	6.1
AUG 03...	1030	3.9	94	0	113	93	110	54	0.20	4.2

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT										
12...	0845	653	649	0.89	21700	--	<0.010	<0.100	0.020	<0.010
DEC										
19...	1015	305	300	0.41	8890	0.310	0.010	0.320	0.020	0.030
FEB										
01...	1030	296	298	0.40	39600	0.170	0.010	0.180	0.020	0.010
APR										
11...	1030	482	465	0.66	49700	--	<0.010	0.270	0.030	0.020
JUL										
03...	1100	486	465	0.66	52100	--	<0.010	0.530	0.030	0.020
AUG										
03...	1030	375	356	0.51	35700	0.090	0.030	0.120	0.050	0.330

DATE	TIME	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P) (00666)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
OCT										
12...	0845	0.58	0.60	0.110	0.050	<10	2	120	<0.5	1
DEC										
19...	1015	0.78	0.80	0.080	0.030	<10	1	73	<0.5	<1
FEB										
01...	1030	0.78	0.80	0.100	0.020	--	--	--	--	--
APR										
11...	1030	0.57	0.60	0.090	0.030	--	--	--	--	--
JUL										
03...	1100	0.37	0.40	0.060	0.040	50	2	92	<0.5	<1
AUG										
03...	1030	0.55	0.60	0.100	0.030	<10	2	82	<0.5	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
OCT										
12...	0845	<3	1	3	<5	11	<1	<0.1	<10	1
DEC										
19...	1015	<3	2	15	<5	7	4	<0.1	<10	1
JUL										
03...	1100	<3	3	24	<1	6	1	<0.1	<10	1
AUG										
03...	1030	<3	3	28	<1	6	6	0.1	<10	2

DATE	TIME	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
12...	0845	<1	1.0	540	<6	8	5	166	21
DEC									
19...	1015	<1	1.0	300	<6	5	4	117	85
FEB									
01...	1030	--	--	--	--	--	52	6950	69
APR									
11...	1030	--	--	--	--	--	35	3610	82
JUL									
03...	1100	<1	<1.0	380	<6	10	79	8470	42
AUG									
03...	1030	<1	<1.0	320	<6	13	38	3620	59

07252000 MULBERRY RIVER NEAR MULBERRY, ARK.

LOCATION.--Lat 35°34'37", long 94°00'55", in SE¼SW¼ sec.31, T.11 N., R.29 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3.

DRAINAGE AREA.--373 mi².

PERIOD OFRECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1007: 1943. WSP 1211: 1941-42. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--51 years, 540 ft³/s, 19.66 in/yr, 391,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,200 ft³/s Dec. 3, 1982, gage height, 23.66 ft, from rating curve extended above 38,000 ft³/s; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft, discharge, about 59,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 13	2200	*21,100	*13.63	Feb. 15	1700	13,000	10.77

Minimum discharge, 2.9 ft³/s Aug. 29, 30, gage height, 0.62 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	5.7	300	544	e1400	662	1950	111	277	145	15	3.4
2	12	5.7	255	453	1760	568	1670	102	227	133	14	4.1
3	11	6.5	224	389	4860	513	1420	126	208	115	14	4.1
4	10	7.0	197	337	2610	706	1190	103	251	99	15	4.1
5	9.1	7.1	176	310	1940	1720	966	111	372	85	20	15
6	8.8	6.4	158	376	1520	1470	813	110	468	75	19	27
7	7.9	6.1	150	411	1210	1250	715	99	423	69	16	29
8	8.0	6.1	149	373	976	1260	629	87	359	62	14	30
9	7.9	7.7	161	328	765	1560	553	182	305	56	13	33
10	7.4	9.5	172	299	610	1820	489	200	249	53	12	38
11	6.9	9.5	171	281	519	1780	438	164	251	46	9.7	38
12	6.3	12	164	266	461	1590	396	129	1370	43	9.4	37
13	5.7	17	153	252	8370	1390	360	110	3450	39	8.9	39
14	5.6	19	145	235	8250	1190	335	100	3270	34	8.7	39
15	5.4	20	137	221	10800	1000	320	102	2240	32	8.4	36
16	5.4	28	127	208	7010	822	296	130	1670	30	7.2	36
17	5.1	33	116	197	3730	713	272	187	1230	49	6.4	31
18	5.4	41	108	187	2900	699	254	492	903	78	6.0	23
19	5.7	91	101	180	2360	700	311	1540	666	64	5.4	17
20	5.5	1410	98	173	2230	635	291	1300	508	45	4.5	15
21	5.6	839	92	164	2500	600	263	960	405	38	4.4	20
22	4.9	425	91	157	2040	551	245	1210	327	34	4.4	25
23	5.2	303	126	152	1660	508	227	1810	269	32	4.1	24
24	7.1	242	238	146	1400	481	212	1250	257	30	3.8	16
25	7.8	208	246	172	1210	453	194	887	235	29	3.8	11
26	7.9	991	228	5600	1040	418	178	810	226	24	4.1	9.3
27	7.7	1270	241	3160	923	465	161	1000	203	22	3.7	7.8
28	7.3	743	1390	2280	814	2060	150	828	186	21	3.3	6.8
29	6.4	486	1190	4190	---	4030	134	623	169	19	2.9	6.5
30	6.0	374	860	2640	---	3080	123	467	155	17	2.9	6.5
31	5.6	---	660	1740	---	2380	---	355	---	16	3.1	---
TOTAL	223.6	7629.3	8624	26421	75868	37074	15555	15685	21149	1634	267.1	631.6
MEAN	7.21	254	278	852	2710	1196	518	506	705	52.7	8.62	21.1
MAX	13	1410	1390	5600	10800	4030	1950	1810	3450	145	20	39
MIN	4.9	5.7	91	146	461	418	123	87	155	16	2.9	3.4
AC-FT	444	15130	17110	52410	150500	73540	30850	31110	41950	3240	530	1250
CFSM	.02	.68	.75	2.28	7.26	3.21	1.39	1.36	1.89	.14	.02	.06
IN.	.02	.76	.86	2.64	7.57	3.70	1.55	1.56	2.11	.16	.03	.06

CAL YR 1988 TOTAL 139691.32 MEAN 382 MAX 8350 MIN .26 AC-FT 277100 CFSM 1.02 IN. 13.93
WTR YR 1989 TOTAL 210761.6 MEAN 577 MAX 10800 MIN 2.9 AC-FT 418000 CFSM 1.55 IN. 21.02

e Estimated

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, ARK.

LOCATION.--Lat 35°32'06", long 94°02'12", in NE ¼ NW ¼ sec.24, T.10 N., R.28 W., Franklin County, Hydrologic Unit 11110201, at bridge on Interstate 40 near Mulberry.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
11.	0610	9827	9827	7.4	8.4	--	2.5	--	1.0
NOV									
08.	1730	9827	9827	6.5	8.4	14.0	8.0	9.7	1.0
DEC									
13.	1530	9827	9827	164	7.5	7.0	9.5	12.2	0.7
JAN									
10.	0530	9827	9827	320	8.4	5.0	8.0	12.4	0.5
FEB									
07.	1920	9827	9827	1290	7.4	4.0	9.0	--	0.7
MAR									
14.	1700	9827	9827	1270	7.1	13.0	9.0	10.3	0.3
APR									
11.	1700	9827	9827	469	8.1	14.0	7.0	11.0	0.6
MAY									
09.	1530	9827	9827	195	7.6	21.0	45	9.0	1.3
JUN									
13.	1626	9827	9827	3690	7.5	20.0	60	8.6	1.7
JUL									
12.	0720	9827	9827	46	7.5	28.0	3.2	7.5	1.4
AUG									
08.	0850	9827	9827	15	7.5	25.0	25	7.0	1.1
SEP									
12.	1700	9827	9827	40	7.7	26.0	4.0	7.9	0.8

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	0610	2.5	4.0	--	3	0.100	0.030	0.020	0.010
NOV									
08.	1730	2.5	7.0	36	21	0.040	0.080	0.060	0.050
DEC									
13.	1530	2.5	5.0	31	2	0.120	0.050	0.010	<0.010
JAN									
10.	0530	1.5	4.0	26	2	0.120	0.020	0.020	0.050
FEB									
07.	1920	1.0	3.0	12	3	0.170	0.030	0.050	0.010
MAR									
14.	1700	1.0	3.0	26	3	0.100	0.020	0.020	0.020
APR									
11.	1700	2.0	8.0	36	3	0.040	0.010	0.040	0.010
MAY									
09.	1530	1.9	6.0	36	28	0.080	0.240	0.050	0.030
JUN									
13.	1626	3.2	--	--	114	0.060	0.050	--	<0.010
JUL									
12.	0720	2.4	--	35	2	0.060	<0.050	<0.030	<0.030
AUG									
08.	0850	--	--	6	3	0.040	<0.050	0.040	<0.030
SEP									
12.	1700	2.7	--	34	5	0.130	<0.050	2.00	<0.030

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 11.	0610	--	<1	<15	<1	<0.50	<10	--
NOV 08.	1730	--	<1	--	--	--	<10	1.7
DEC 13.	1530	--	<1	<15	3	--	10	1.6
JAN 10.	0530	--	9	<15	<1	--	90	1.1
FEB 07.	1920	1	<1	20	<1	--	<10	1.3
MAR 14.	1700	1	<1	<15	<1	--	<10	1.0
APR 11.	1700	1	1	--	<1	--	<10	1.3
MAY 09.	1530	4	10	<15	3	--	180	1.8
JUN 13.	1626	3	2	--	6	--	10	3.3
JUL 12.	0720	3	<1	<15	3	--	<10	1.9
AUG 08.	0850	<1	<1	--	2	--	<10	0.9
SEP 12.	1700	<1	<1	<15	<2	<0.40	<10	0.9

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, ARK.

LOCATION.--Lat 35°28'21", long 93°48'46", in SW ¼ sec.6, T.9 N., R.26 W., Franklin County, Hydrologic Unit 11110201, at Ozark Dam 1.0 mi southeast of Ozark, and at mile 272.9.

DRAINAGE AREA.--151,801 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--August 1962 to August 1963, January 1965 to March 1966, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1965 to March 1966.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1555	9827	9827	9020	8.2	--	6.0	--	2.5
NOV									
08.	1655	9827	9827	0.0	8.0	15.0	7.5	9.4	2.1
DEC									
13.	1500	9827	9827	18600	7.1	10.0	15	12.0	1.5
JAN									
10.	1636	9827	9827	28500	8.1	6.0	15	14.0	1.7
FEB									
07.	1645	9827	9827	40000	6.7	3.0	40	--	1.2
MAR									
14.	1610	9827	9827	47400	7.1	12.0	30	11.3	1.5
APR									
11.	1615	9827	9827	29800	8.2	15.0	25	10.6	1.9
MAY									
09.	1500	9827	9827	0.0	8.5	21.0	15	9.2	2.6
JUN									
13.	1555	9827	9827	33200	7.8	22.0	60	8.3	2.9
JUL									
11.	1700	9827	9827	33200	8.1	30.0	25	7.2	1.0
AUG									
08.	0930	9827	9827	19900	8.3	25.0	10	9.5	2.9
SEP									
12.	1615	9827	9827	47100	8.2	26.0	20	8.1	1.8

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1555	210	110	--	14	0.010	0.030	0.110	0.060
NOV									
08.	1655	210	92	654	14	0.040	0.080	0.120	0.080
DEC									
13.	1500	84	52	301	11	0.280	0.060	0.100	0.050
JAN									
10.	1636	90	50	322	16	0.230	0.010	0.090	0.070
FEB									
07.	1645	49	37	184	24	0.410	0.080	0.150	0.080
MAR									
14.	1610	43	46	223	27	0.350	0.030	0.070	0.040
APR									
11.	1615	200	78	509	29	0.250	0.010	0.100	0.020
MAY									
09.	1500	75	52	301	16	0.090	0.250	0.050	0.020
JUN									
13.	1555	130	--	378	79	0.200	0.020	--	<0.010
JUL									
11.	1700	180	--	532	21	--	0.200	0.080	0.090
AUG									
08.	0930	--	--	395	16	<0.020	--	0.090	<0.030
SEP									
12.	1615	100	58	360	26	0.270	<0.050	0.100	--

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1555	<1	<1	22	<1	<0.50	<10	--
NOV								
08.	1655	--	3	--	--	--	<10	7.6
DEC								
13.	1500	<1	<1	<15	2	--	<10	6.9
JAN								
10.	1636	1	1	<15	3	--	<10	8.2
FEB								
07.	1645	2	<1	47	1	--	10	6.5
MAR								
14.	1610	<1	<1	<15	1	--	<10	5.5
APR								
11.	1615	<1	<1	--	<1	--	<10	7.4
MAY								
09.	1500	<1	<1	<15	<1	--	10	5.9
JUN								
13.	1555	<1	3	<15	2	--	30	5.2
JUL								
11.	1700	<1	1	<15	2	--	<10	6.4
AUG								
08.	0930	<1	<1	--	2	--	<10	6.2
SEP								
12.	1615	<1	<1	<15	<2	<0.40	<10	4.1

07256040 SHORT MOUNTAIN CREEK WEST OF PARIS, ARK.

LOCATION.--Lat 35°17'32", long 93°44'16", in SW ¼ NW ¼ sec.11, T.7 N., R.26 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22, 0.5 mi east of Paris.

PERIOD OF RECORD.--October 1986 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT										
11...	1505	9827	9827	7.5	--	3.0	--	0.9	3.0	3.0
NOV										
08...	1600	9827	9827	7.8	13.0	4.0	8.6	1.0	3.0	7.0
DEC										
13...	1415	9827	9827	7.0	8.0	15	11.9	0.7	3.0	6.0
JAN										
10...	1545	9827	9827	7.2	7.0	7.0	12.0	0.9	3.0	5.0
FEB										
07...	1545	9827	9827	7.0	4.0	15	--	0.9	2.5	14
MAR										
14...	1530	9827	9827	7.3	13.0	10	10.6	0.7	2.0	5.0
APR										
11...	1530	9827	9827	7.3	14.0	5.0	10.5	1.1	2.5	9.0
MAY										
09...	1415	9827	9827	7.5	21.0	8.0	8.7	0.9	1.9	6.0
JUN										
13...	1500	9827	9827	7.2	24.0	25	8.1	2.2	3.1	--
JUL										
11...	1615	9827	9827	7.5	29.0	4.5	8.7	2.4	4.3	--
AUG										
08...	1020	9827	9827	7.8	24.0	4.0	7.6	0.8	--	--
SEP										
12...	1522	9827	9827	7.4	25.0	4.5	8.0	1.0	3.2	3.0

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11...	1505	--	2	0.040	0.650	0.0	0.20	0.030	0.010
NOV									
08...	1600	45	5	0.030	<0.010	--	--	0.040	0.010
DEC									
13...	1415	34	<1	0.280	0.070	0.33	0.40	0.040	0.030
JAN									
10...	1545	34	2	0.230	0.030	0.47	0.50	0.030	0.060
FEB									
07...	1545	38	10	0.230	0.050	0.35	0.40	0.080	0.030
MAR									
14...	1530	7	3	0.130	0.020	0.38	0.40	0.020	0.020
APR									
11...	1530	37	2	0.040	0.030	0.47	0.50	0.040	0.020
MAY									
09...	1415	32	8	0.030	0.100	0.50	0.60	0.100	0.030
JUN									
13...	1500	40	17	0.050	0.020	0.58	0.60	--	0.020
JUL									
11...	1615	48	10	0.060	0.060	0.44	0.50	0.030	0.050
AUG									
08...	1020	32	3	0.090	<0.050	--	0.50	0.050	<0.030
SEP									
12...	1522	47	3	0.140	0.050	0.50	0.55	0.040	--

07256040 SHORT MOUNTAIN CREEK WEST OF PARIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1505	<1	<1	18	<1	<0.50	--	<10	--
NOV									
08...	1600	--	<1	--	--	--	--	<10	2.9
DEC									
13...	1415	<1	<1	<15	21	--	--	<10	2.7
JAN									
10...	1545	1	--	<15	2	--	--	200	2.4
FEB									
07...	1545	<1	<1	47	<1	--	--	10	2.9
MAR									
14...	1530	<1	5	13	1	--	--	10	2.0
APR									
11...	1530	<1	<1	--	<1	--	--	<10	2.2
MAY									
09...	1415	<1	3	<15	1	--	--	50	2.1
JUN									
13...	1500	1	1	34	<1	--	--	20	5.3
JUL									
11...	1615	<1	<1	<15	2	--	<3	--	3.1
AUG									
08...	1020	<1	<1	--	<2	--	--	<10	1.8
SEP									
12...	1522	<1	<1	<15	<2	<0.40	--	<10	2.1

07256046 SHORT MOUNTAIN CREEK NORTH OF PARIS, ARK.

LOCATION.--Lat 35°13'43", long 93°44'37", in NW ¼ NE ¼ sec.3, T.7N, R.26 W., Logan County, Hydrologic Unit 11110202, at bridge on county road, 0.5 mi west of State Highway 109, 1.0 mi north of Paris.

PERIOD OF RECORD.--October 1986 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 11...	1525	9827	9827	7.0	--	25	--	6.0	17
NOV 08...	1615	9827	9827	7.4	12.0	15	2.3	4.4	21
DEC 13...	1430	9827	9827	6.8	11.0	15	12.5	1.3	5.0
JAN 10...	1605	9827	9827	7.0	7.0	8.0	12.0	1.4	4.0
FEB 07...	1600	9827	9827	6.7	4.0	15	--	1.2	2.5
MAR 14...	1545	9827	9827	7.2	13.0	10	10.1	0.8	3.0
APR 11...	1545	9827	9827	7.3	14.0	6.0	10.6	1.8	4.0
MAY 09...	1430	9827	9827	7.3	21.0	50	7.5	2.4	4.0
JUN 13...	1520	9827	9827	7.2	24.0	55	7.9	3.8	4.2
JUL 11...	1630	9827	9827	7.4	27.0	8.2	2.7	1.9	17
AUG 08...	1000	9827	9827	7.4	25.0	15	4.0	1.1	--
SEP 12...	1540	9827	9827	7.3	25.0	15	3.5	1.9	13

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT 11...	1525	34	--	32	0.470	0.570	0.93	1.5	1.40
NOV 08...	1615	35	215	15	2.80	0.780	0.52	1.3	1.70
DEC 13...	1430	15	70	5	0.300	0.110	0.49	0.60	0.200
JAN 10...	1605	12	60	5	0.240	0.040	0.46	0.50	0.100
FEB 07...	1600	11	32	7	0.230	0.050	0.35	0.40	0.120
MAR 14...	1545	11	39	5	0.260	0.380	0.02	0.40	0.070
APR 11...	1545	18	68	7	0.280	0.030	0.47	0.50	0.160
MAY 09...	1430	13	68	49	0.360	0.160	--	--	0.240
JUN 13...	1520	--	66	50	0.110	<0.010	--	0.98	--
JUL 11...	1630	--	253	11	0.350	1.36	0.24	1.6	2.19
AUG 08...	1000	--	168	14	0.540	0.190	0.53	0.72	1.50
SEP 12...	1540	33	185	19	0.940	0.270	0.57	0.84	1.50

07256046 SHORT MOUNTAIN CREEK NORTH OF PARIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1525	1.10	18	<1	22	3	<0.50	10	--
NOV									
08...	1615	1.50	--	1	--	--	--	<10	8.5
DEC									
13...	1430	0.150	1	<1	<15	5	--	<10	3.4
JAN									
10...	1605	0.120	3	--	16	8	--	<10	3.0
FEB									
07...	1600	0.060	5	<1	42	5	--	<10	3.3
MAR									
14...	1545	0.070	1	<1	<15	1	--	10	2.2
APR									
11...	1545	0.100	1	<1	--	<1	--	<10	2.9
MAY									
09...	1430	0.100	1	37	<15	8	--	470	4.6
JUN									
13...	1520	0.070	1	4	27	36	--	40	8.4
JUL									
11...	1630	1.46	2	<1	<15	8	--	<10	9.9
AUG									
08...	1000	1.13	<1	<1	--	<2	--	<10	4.7
SEP									
12...	1540	--	<1	<1	<15	<2	0.70	<10	4.7

07257000 BIG PINEY CREEK NEAR DOVER, ARK.

LOCATION.--Lat 35°32'58", long 93°09'30", in SW¼NE¼ sec.6, T.10 N., R.20 W., Pope County, Hydrologic Unit 11110202, on left bank 7.2 mi downstream from Indian Creek, 10.4 mi north of Dover, and at mile 28.0.

DRAINAGE AREA.--274 mi².

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1967, published as "Piney Creek near Dover."

REVISED RECORDS.--WRD Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder. Datum of gage is 487.66 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--39 years, 402 ft³/s, 19.92 in/yr, 291,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111,000 ft³/s Dec. 3, 1982, gage height, 33.87 ft, from rating curve extended above 45,000 ft³/s on basis of contracted-opening measurement of peak flow; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 24, 1949, reached a stage of 25.6 ft, from floodmarks, discharge about 55,800 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 13	2200	12,900	13.00	Feb. 15	0945	*16,800	*14.67

Minimum discharge, 0.54 ft³/s Sept. 1, gage height, 1.02 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	418	634	1040	492	1340	112	280	99	51	.65
2	16	12	333	535	926	432	1080	103	232	97	128	3.9
3	19	14	275	463	2270	398	907	98	232	96	91	5.7
4	14	14	232	388	1490	406	773	111	886	87	62	5.5
5	9.7	17	196	390	1120	754	640	139	640	95	44	3.7
6	7.5	18	174	546	912	694	560	128	485	69	36	2.4
7	6.0	18	162	493	764	629	489	108	380	56	31	1.9
8	4.9	22	160	440	664	681	431	102	324	47	21	1.7
9	4.1	26	148	380	564	807	376	249	267	33	15	2.7
10	3.3	30	135	350	494	898	317	279	215	27	12	4.9
11	2.6	30	127	326	455	876	275	205	204	23	9.5	9.6
12	2.1	42	118	313	415	806	255	164	832	23	9.6	12
13	2.4	79	111	292	4520	734	247	142	890	108	6.5	11
14	2.7	106	106	273	5460	668	220	135	1170	126	5.1	11
15	2.4	81	101	270	10700	592	207	131	1020	104	4.3	10
16	3.0	77	94	252	4710	499	188	250	790	91	3.7	9.8
17	3.8	89	89	236	2410	447	168	440	635	76	3.1	13
18	5.6	185	85	228	1780	518	157	1150	524	112	3.0	13
19	5.7	2300	82	213	1440	517	160	824	430	256	2.7	11
20	5.3	2870	82	200	1490	550	154	686	351	215	2.7	8.6
21	4.8	936	80	183	1810	636	216	580	288	160	2.5	6.6
22	4.2	561	81	172	1350	606	267	1690	243	123	2.3	5.1
23	5.4	379	206	168	1070	565	229	1690	207	98	2.1	4.0
24	6.7	278	298	164	910	519	176	1090	191	156	2.0	2.9
25	7.6	294	250	173	799	474	161	828	168	137	1.8	2.4
26	6.2	4230	221	3370	722	435	148	698	137	128	1.5	2.1
27	8.1	1730	467	1910	654	630	138	734	144	102	1.2	1.7
28	9.0	957	2030	1510	582	1670	127	598	115	77	1.1	1.5
29	7.3	697	1190	3250	---	2590	119	498	100	58	1.0	1.7
30	9.9	542	906	1890	---	3280	117	412	109	48	.93	2.7
31	10	---	742	1340	---	1870	---	339	---	54	.76	---
TOTAL	210.3	16644	9699	21352	51521	25673	10642	14713	12489	2981	558.39	172.75
MEAN	6.78	555	313	689	1840	828	355	475	416	96.2	18.0	5.76
MAX	19	4230	2030	3370	10700	3280	1340	1690	1170	256	128	13
MIN	2.1	10	80	164	415	398	117	98	100	23	.76	.65
AC-FT	417	33010	19240	42350	102200	50920	21110	29180	24770	5910	1110	343
CFSM	.02	2.02	1.14	2.51	6.72	3.02	1.29	1.73	1.52	.35	.07	.02
IN.	.03	2.26	1.32	2.90	6.99	3.49	1.44	2.00	1.70	.40	.08	.02

CAL YR 1988 TOTAL 120501.5 MEAN 329 MAX 8380 MIN 1.1 AC-FT 239000 CFSM 1.20 IN. 15.36
WTR YR 1989 TOTAL 166655.44 MEAN 457 MAX 10700 MIN .65 AC-FT 330600 CFSM 1.67 IN. 22.63

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, ARK.

LOCATION.--Lat 35°30'48", long 93°10'24", in SE ¼ NW ¼ sec.25, T.9 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 164 near Dover.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1030	9827	9827	2.8	8.1	17.0	1.5	9.5	1.6
NOV									
08.	0940	9827	9827	24	7.9	12.0	1.5	9.2	0.7
DEC									
13.	1018	9827	9827	120	7.7	5.0	8.0	11.9	0.7
JAN									
10.	1045	9827	9827	378	8.0	6.0	7.0	12.2	0.5
FEB									
07.	0956	9827	9827	825	7.6	3.0	7.0	12.4	1.4
MAR									
14.	1030	9827	9827	721	6.5	15.0	6.0	10.6	0.5
APR									
11.	1025	9827	9827	297	7.4	11.0	5.5	11.1	0.8
MAY									
09.	1030	9827	9827	269	7.5	21.0	4.5	9.3	1.3
JUN									
13.	0754	9827	9827	961	7.5	21.0	20	--	1.6
JUL									
11.	0837	9827	9827	25	7.4	28.0	2.0	7.2	0.6
AUG									
08.	1000	9827	9827	23	7.6	26.0	1.5	9.1	1.6
12.	1125	9827	9827	10	7.6	26.0	1.8	9.3	1.9

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1030	2.0	4.0	61	<1	0.020	--	0.020	0.010
NOV									
08.	0940	1.5	6.0	--	2	<0.010	<0.010	0.020	0.010
DEC									
13.	1018	2.0	5.0	40	<1	0.120	0.040	0.010	0.060
JAN									
10.	1045	1.0	5.0	32	<1	0.070	0.020	--	0.050
FEB									
07.	0956	1.0	3.0	29	<1	0.100	0.090	0.020	0.010
MAR									
14.	1030	1.0	4.0	21	1	0.060	0.010	0.010	0.010
APR									
11.	1025	1.0	5.0	42	1	0.040	<0.010	0.020	<0.010
MAY									
09.	1030	1.4	3.0	33	3	0.020	0.060	0.030	0.020
JUN									
13.	0754	2.8	5.0	33	10	0.030	--	0.050	<0.010
JUL									
11.	0837	1.8	3.0	42	1	<0.020	<0.050	0.030	<0.030
AUG									
08.	1000	3.0	2.0	35	2	<0.020	<0.050	0.030	<0.030
12.	1125	2.7	1.0	39	2	0.020	<0.050	<0.030	<0.030

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1030	<1	<1	<15	<1	<0.50	10	2.1
NOV								
08.	0940	<1	<1	<15	4	--	<10	1.8
DEC								
13.	1018	<1	2	<15	3	--	<10	0.9
JAN								
10.	1045	<1	<1	<15	2	--	<10	1.2
FEB								
07.	0956	<1	<1	--	<1	--	10	1.1
MAR								
14.	1030	<1	<1	<15	2	--	10	1.7
APR								
11.	1025	<1	<1	16	<1	--	<10	1.0
MAY								
09.	1030	<1	<1	<15	1	--	<10	1.5
JUN								
13.	0754	<1	2	<15	2	--	50	2.1
JUL								
11.	0837	<1	<1	<15	1	--	<10	2.3
AUG								
08.	1000	3	<1	<15	2	--	10	0.8
12.	1125	--	<1	<15	<2	<0.40	<10	0.9

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.

LOCATION.--Lat 35°24'36", long 93°06'00", in SW ¼ SW ¼ sec.21, T.8 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 7, 2.0 mi northwest of Dover.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 11.	1000	9827	9827	1.8	7.6	16.0	2.5	8.4	0.6
NOV 08.	0905	9827	9827	2.4	7.9	11.0	2.5	8.5	1.1
DEC 13.	0947	9827	9827	211	7.7	5.0	7.5	12.0	0.3
JAN 10.	1015	9827	9827	480	7.8	6.0	8.0	12.0	0.5
FEB 07.	0928	9827	9827	690	7.3	2.0	6.5	13.2	1.2
MAR 14.	1000	9827	9827	725	6.5	14.0	6.0	10.3	0.5
APR 11.	0950	9827	9827	796	7.3	11.0	5.5	11.0	0.9
MAY 09.	1000	9827	9827	842	7.5	20.0	35	8.7	1.1
JUN 13.	0730	9827	9827	456	7.4	21.0	15	--	0.8
JUL 11.	0805	9827	9827	117	7.4	28.0	4.6	6.6	0.4
AUG 08.	0950	9827	9827	7.2	7.5	24.0	3.5	7.9	1.1
12.	1050	9827	9827	6.0	7.5	25.0	3.8	8.4	1.6

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1000	17	2.0	76	1	0.030	--	0.020	0.010
NOV 08.	0905	5.5	5.0	--	1	0.010	0.010	0.020	0.020
DEC 13.	0947	2.5	4.0	31	<1	0.230	<0.010	0.010	0.030
JAN 10.	1015	1.5	3.0	26	2	0.140	0.020	--	0.050
FEB 07.	0928	1.5	2.0	17	2	0.160	0.060	0.030	0.010
MAR 14.	1000	1.0	4.0	21	3	0.090	0.010	0.010	0.010
APR 11.	0950	1.5	5.0	29	1	0.050	<0.010	0.010	<0.010
MAY 09.	1000	2.4	4.0	35	27	0.090	0.120	0.080	0.020
JUN 13.	0730	4.0	4.0	28	7	0.060	--	0.040	<0.010
JUL 11.	0805	5.2	3.0	37	2	0.020	0.060	0.030	<0.030
AUG 08.	0950	3.4	2.0	23	2	0.030	<0.050	0.030	<0.030
12.	1050	3.2	1.0	30	3	0.030	<0.050	<0.030	<0.030

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1000	<1	<1	<15	<1	<0.50	<10	2.4
NOV								
08.	0905	<1	1	<15	5	--	<10	2.1
DEC								
13.	0947	<1	<1	<15	1	--	<10	0.8
JAN								
10.	1015	<1	1	<15	3	--	<10	1.3
FEB								
07.	0928	1	<1	--	<1	--	<10	1.0
MAR								
14.	1000	<1	<1	<15	<1	--	10	1.0
APR								
11.	0950	<1	<1	16	<1	--	<10	1.3
MAY								
09.	1000	<1	<1	<15	3	--	<20	1.8
JUN								
13.	0730	<1	<1	25	2	--	30	1.6
JUL								
11.	0805	<1	<1	<15	2	--	<10	1.9
AUG								
08.	0950	<1	<1	<15	<2	--	10	0.7
12.	1050	--	<1	<15	<2	<0.40	<10	0.7

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.

LOCATION.--Lat 35°13'34", long 93°08'58", in SW¼ sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of bridge on State Highway 7 at Dardanelle, 1.0 mi upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5.

DRAINAGE AREA.--153,670 mi^2, of which 22,241 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to current year. Gage-height records collected at same site since 1886 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 280.16 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 11, 1939, nonrecording gage at same site at datum 10.0 ft higher. Jan. 11, 1939, to Dec. 10, 1970, water-stage recorder at same site at datum 10.0 ft higher. Feb. 13, 1969, to May 16, 1985, totalizing flow meters on each turbine in Dardanelle Dam, 2.0 mi upstream.

REMARKS.--No estimated daily discharges. Water-discharge records good except for those below 45,000 ft^3/s, which are fair. Flow regulated upstream by many locks, dams, and reservoirs. Satellite telemeter at station.

AVERAGE DISCHARGE.--52 years, 36,600 ft^3/s, 26,520,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft^3/s May 13, 14, 1943; maximum gage height, 43.60 ft, in gage well, 44.1 ft from outside gage, May 25, 1943, present datum; minimum daily discharge, 40 ft^3/s Sept. 18, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 43.0 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 218,000 ft^3/s Feb. 15, gage height, 30.02 ft; minimum daily, 50 ft^3/s at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5800	2620	22400	20800	53500	38200	90700	680	46400	56600	29700	32900
2	4820	1940	22700	15100	50200	32400	71900	50	3800	47800	23400	36500
3	6730	1170	9220	33300	88600	36000	73300	12500	34800	41400	32500	41800
4	3550	6580	50	17900	87800	33600	74000	8390	49100	41000	20600	36400
5	2940	50	5020	21500	52800	49400	74000	7130	55000	41100	21100	27900
6	6850	1730	3740	21800	17300	50300	72100	5060	80100	42200	13800	29900
7	5080	1420	5730	16700	29300	42400	54100	1500	69800	31400	5100	40500
8	50	360	21800	30900	39800	42600	47600	6370	56400	26500	22000	47200
9	830	5490	4550	17000	30000	41600	47300	14200	49200	24500	22900	49900
10	3670	930	2430	21400	29900	47400	39000	10700	47500	28700	18900	55700
11	4470	50	3210	9690	16600	73800	39500	11200	45900	17900	23900	53600
12	12500	3530	7650	12000	14700	93600	37400	10100	68900	34800	13200	47300
13	1810	9390	10300	17400	42700	96500	34000	50	103000	38900	11100	55300
14	50	15400	11300	3680	138000	79400	21000	14700	130000	28700	2880	74900
15	1910	17600	10700	4520	191000	71800	35900	24800	136000	26600	50	83100
16	3590	19500	9410	17100	189000	69400	6590	6990	127000	27200	5360	71400
17	13700	12700	2040	10200	166000	71000	1770	26600	122000	29300	9440	70200
18	4860	4580	1070	10700	136000	71900	1480	40700	117000	41100	24900	72900
19	12200	21300	1820	11600	122000	55000	24100	67400	119000	40900	15600	66800
20	5610	54200	1980	11800	109000	41300	26200	89200	129000	40200	27100	67500
21	2390	13300	5420	4200	97400	47500	12300	73800	126000	45500	42000	73700
22	1190	25900	6070	50	84700	42600	2420	82200	115000	41800	44000	63500
23	50	28800	12700	3740	74400	42600	3910	88900	85900	40000	47000	38000
24	6790	19700	16800	13400	81800	41400	13300	88100	72700	23500	40200	40400
25	8810	27900	21100	10600	81300	42600	16800	78200	70700	25900	39500	40000
26	8210	50000	14900	62700	51500	41800	15700	68000	75200	32300	39200	38400
27	3790	47300	12700	73700	40200	23000	10700	92400	76000	31400	33900	30400
28	8400	21500	26200	55700	41400	43500	9500	89800	68900	29200	26800	35200
29	5220	23800	35000	76400	---	86500	4340	70200	63200	18000	33300	38400
30	350	13200	37800	75400	---	102000	50	60500	68800	12000	28000	37200
31	4330	---	32600	55300	---	110000	---	59200	---	9550	36800	---
TOTAL	150550	451940	378410	756280	2156900	1761100	960960	1209620	2412300	1015950	754230	1496900
MEAN	4856	15060	12210	24400	77030	56810	32030	39020	80410	32770	24330	49900
MAX	13700	54200	37800	76400	191000	110000	90700	92400	136000	56600	47000	83100
MIN	50	50	50	50	14700	23000	50	50	3800	9550	50	27900
AC-FT	298600	896400	750600	1500000	4278000	3493000	1906000	2399000	4785000	2015000	1496000	2969000

CAL YR 1988 TOTAL 13552990 MEAN 37030 MAX 169000 MIN 50 AC-FT 26880000
WTR YR 1989 TOTAL 13505140 MEAN 37000 MAX 191000 MIN 50 AC-FT 26790000

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-61, August 1961 to August 1963, July 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1948 to September 1961.
WATER TEMPERATURES: October 1948 to September 1961, July 1971 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1967 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 17, 1952, July 17, 1980; minimum daily, 0.0°C on several days during winter months.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 29.0°C August 6, 7, 30, 31; minimum daily, 3.0°C February 9-11, and January.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
11...	1130	9827	9827	3960	8.0	20.0	8.0	8.9	1.7	--
NOV										
08...	1050	9827	9827	0.0	7.6	16.0	7.0	9.5	1.6	--
30...	1030	80513	80020	--	--	10.0	--	--	2.2	140
DEC										
13...	1119	9827	9827	19300	7.5	9.0	15	11.2	1.7	--
JAN										
10...	1150	9827	9827	9700	7.9	7.0	10	12.6	1.9	--
FEB										
07...	1057	9827	9827	39400	7.2	4.0	30	11.5	1.7	--
MAR										
14...	1140	9827	9827	79100	6.9	11.0	30	10.8	1.2	--
APR										
11...	1127	9827	9827	45900	8.0	15.0	30	9.4	1.8	--
MAY										
09...	1116	9827	9827	7540	8.1	21.0	15	7.9	1.4	--
JUN										
13...	0850	9827	9827	95500	7.7	25.0	35	--	1.5	--
13...	1140	9827	9827	100000	7.4	24.0	25	--	1.7	--
JUL										
11...	0945	9827	9827	36800	7.9	29.0	25	5.9	0.7	--
AUG										
08...	1106	9827	9827	18000	8.2	28.0	7.5	7.2	1.[illegible]	--
12...	1227	9827	9827	0.0	8.1	27.0	20	9.8	2.3	--

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT										
11...	1130	--	--	--	--	--	--	220	93	--
NOV										
08...	1050	--	--	--	--	--	--	210	89	--
30...	1030	39	11	89	57	3	3.3	130	56	0.20
DEC										
13...	1119	--	--	--	--	--	--	130	65	--
JAN										
10...	1150	--	--	--	--	--	--	74	47	--
FEB										
07...	1057	--	--	--	--	--	--	77	43	--
MAR										
14...	1140	--	--	--	--	--	--	40	47	--
APR										
11...	1127	--	--	--	--	--	--	110	60	--
MAY										
09...	1116	--	--	--	--	--	--	110	54	--
JUN										
13...	0850	--	--	--	--	--	--	140	53	--
13...	1140	--	--	--	--	--	--	4.8	7.0	--
JUL										
11...	0945	--	--	--	--	--	--	150	72	--
AUG										
08...	1106	--	--	--	--	--	--	94	64	--
12...	1227	--	--	--	--	--	--	110	56	--

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT										
11...	1130	--	656	--	--	9	0.100	--	--	0.120
NOV										
08...	1050	--	--	--	--	12	0.150	--	0.060	0.130
30...	1030	3.3	406	386	0.55	--	--	0.140	--	--
DEC										
13...	1119	--	385	--	--	12	0.180	--	0.150	0.090
JAN										
10...	1150	--	281	--	--	14	0.200	--	0.040	--
FEB										
07...	1057	--	256	--	--	22	0.310	--	0.050	0.140
MAR										
14...	1140	--	208	--	--	22	0.380	--	0.290	0.070
APR										
11...	1127	--	357	--	--	26	0.300	--	0.120	0.110
MAY										
09...	1116	--	352	--	--	15	0.090	--	0.110	0.090
JUN										
13...	0850	--	385	--	--	34	0.230	--	--	0.130
13...	1140	--	42	--	--	15	0.130	--	--	0.080
JUL										
11...	0945	--	465	--	--	16	0.320	--	0.110	0.140
AUG										
08...	1106	--	386	--	--	9	0.080	--	0.100	0.080
12...	1227	--	382	--	--	24	0.240	--	0.080	0.100

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT									
11...	1130	0.070	--	--	--	<1	--	<1	--
NOV									
08...	1050	0.080	--	--	--	<1	--	<1	--
30...	1030	--	85	<0.5	50	--	<1	--	<3
DEC									
13...	1119	0.060	--	--	--	<1	--	3	--
JAN									
10...	1150	0.080	--	--	--	<1	--	<1	--
FEB									
07...	1057	0.050	--	--	--	<1	--	<1	--
MAR									
14...	1140	0.070	--	--	--	<1	--	1	--
APR									
11...	1127	0.050	--	--	--	<1	--	<1	--
MAY									
09...	1116	0.020	--	--	--	<1	--	<1	--
JUN									
13...	0850	0.050	--	--	--	<1	--	1	--
13...	1140	0.010	--	--	--	<1	--	2	--
JUL									
11...	0945	0.080	--	--	--	1	--	<1	--
AUG									
08...	1106	<0.030	--	--	--	--	--	<15	--
12...	1227	0.080	--	--	--	--	--	<1	--

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
OCT									
11...	1130	<15	--	--	<1	--	--	--	<0.50
NOV									
08...	1050	<15	--	--	<1	--	--	--	--
30...	1030	--	<10	260	--	10	7	68	--
DEC									
13...	1119	<15	--	--	<1	--	--	--	--
JAN									
10...	1150	<15	--	--	3	--	--	--	--
FEB									
07...	1057	17	--	--	<1	--	--	--	--
MAR									
14...	1140	21	--	--	1	--	--	--	--
APR									
11...	1127	16	--	--	<1	--	--	--	--
MAY									
09...	1116	<15	--	--	<1	--	--	--	--
JUN									
13...	0850	<15	--	--	2	--	--	-	--
13...	1140	38	--	--	1	--	--	--	--
JUL									
11...	0945	<15	--	--	2	--	--	--	--
AUG									
08...	1106	<15	--	--	4	--	--	--	--
12...	1227	<15	--	--	<2	--	--	--	<0.40

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1130	--	--	--	--	--	10	--	6.9
NOV									
08...	1050	--	--	--	--	--	<10	--	7.3
30...	1030	<10	<10	<1.0	340	<6	--	12	--
DEC									
13...	1119	--	--	--	--	--	<10	--	4.3
JAN									
10...	1150	--	--	--	--	--	<10	--	6.2
FEB									
07...	1057	--	--	--	--	--	10	--	5.6
MAR									
14...	1140	--	--	--	--	--	10	--	7.2
APR									
11...	1127	--	--	--	--	--	10	--	6.7
MAY									
09...	1116	--	--	--	--	--	<10	--	6.3
JUN									
13...	0850	--	--	--	--	--	10	--	5.7
13...	1140	--	--	--	--	--	20	--	4.7
JUL									
11...	0945	--	--	--	--	--	<10	--	5.7
AUG									
08...	1106	--	--	--	--	--	50	--	5.7
12...	1227	--	--	--	--	--	<10	--	3.7

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.0	25.0	25.0	16.0	16.0	16.0	---	---	---	---	---	---
2	25.0	24.5	24.5	16.0	16.0	16.0	---	---	---	---	---	---
3	24.5	24.0	24.0	16.0	16.0	15.5	---	---	---	---	---	---
4	24.0	23.5	23.5	16.0	16.0	14.5	---	---	---	---	---	---
5	23.5	23.0	23.0	16.0	15.0	14.5	---	---	---	---	---	---
6	23.0	22.0	22.5	15.0	14.5	14.5	---	---	---	---	---	---
7	22.0	21.5	22.0	14.5	14.5	14.5	---	---	---	---	---	---
8	21.5	21.0	21.0	15.0	14.5	15.0	---	---	---	---	---	---
9	21.0	21.0	21.0	15.0	14.5	15.0	---	---	---	---	---	---
10	21.0	20.5	20.5	15.0	15.0	15.0	---	---	---	---	---	---
11	20.5	20.0	20.0	15.0	15.0	15.0	---	---	---	---	---	---
12	20.0	20.0	20.0	15.0	15.0	15.0	---	---	---	6.5	6.5	6.5
13	20.0	19.5	20.0	15.0	15.0	15.0	---	---	---	6.5	6.5	6.5
14	19.5	19.5	19.5	15.0	15.0	14.5	---	---	---	6.5	6.5	6.5
15	---	---	---	15.0	14.5	14.5	---	---	---	6.5	6.5	6.5
16	---	---	---	14.5	14.5	14.0	---	---	---	6.5	6.5	6.5
17	---	---	---	14.5	14.0	13.5	---	---	---	6.5	6.5	6.5
18	---	---	18.5	14.0	13.5	13.0	---	---	---	6.5	6.5	6.5
19	---	---	18.5	13.5	13.5	12.5	---	---	---	6.5	6.0	6.0
20	18.5	18.5	18.5	13.5	13.0	---	---	---	---	6.5	6.0	6.5
21	18.5	18.5	18.5	13.0	12.5	---	---	---	---	6.5	6.5	6.5
22	18.5	18.5	18.0	---	---	---	---	---	---	6.5	6.5	6.5
23	18.5	18.0	18.0	---	---	---	---	---	---	6.5	6.5	6.5
24	18.5	18.0	18.0	---	---	---	---	---	---	6.5	6.5	6.5
25	18.0	18.0	17.5	---	---	---	---	---	---	6.5	6.5	6.5
26	18.0	18.0	17.5	---	---	---	---	---	---	7.0	6.5	6.5
27	18.0	17.5	17.0	---	---	---	---	---	---	7.0	7.0	7.0
28	17.5	17.5	17.0	---	---	---	---	---	---	7.0	7.0	7.0
29	17.5	17.0	16.5	---	---	---	---	---	---	7.0	7.0	7.0
30	17.0	16.5	16.0	---	---	---	---	---	---	7.0	7.0	7.0
31	16.5	16.0	16.0	---	---	---	---	---	---	7.0	7.0	7.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	7.0	7.0	5.5	5.0	5.5	13.5	13.0	13.0	20.0	19.5	19.5
2	7.5	7.5	7.5	5.5	5.5	5.5	13.5	13.5	13.5	20.0	19.5	19.5
3	7.5	7.5	7.5	6.0	5.5	6.0	13.5	13.5	14.0	19.5	19.5	19.5
4	7.5	6.0	7.0	6.5	6.0	6.5	14.0	14.0	14.0	20.0	20.0	20.0
5	6.0	5.5	6.0	6.5	6.5	6.5	14.5	14.5	14.5	20.5	20.5	20.0
6	5.5	5.5	5.0	6.5	6.0	6.0	14.5	14.5	14.5	20.5	20.0	20.0
7	5.0	4.0	4.5	6.0	5.5	6.0	14.5	14.5	14.5	21.0	20.0	20.5
8	4.0	3.5	3.5	5.5	5.5	5.5	14.5	14.5	14.5	20.5	20.0	20.0
9	3.5	3.0	3.5	5.5	5.5	5.5	14.5	14.5	14.5	20.0	20.0	20.0
10	3.0	3.0	3.0	6.0	5.5	5.5	14.5	14.5	14.5	20.0	20.0	20.0
11	3.5	3.0	3.5	6.0	5.5	5.5	14.5	14.0	14.5	20.0	20.0	20.0
12	3.5	3.5	3.5	6.5	6.0	6.0	14.0	14.0	14.0	20.0	20.0	20.0
13	4.0	3.5	3.5	7.0	6.5	6.5	14.0	14.0	14.0	20.0	19.5	19.5
14	4.5	4.0	4.5	8.0	7.0	7.5	14.0	14.0	14.0	19.5	19.5	19.0
15	5.5	4.5	5.0	8.5	8.0	8.0	14.5	14.0	14.0	19.5	19.0	19.0
16	5.5	5.5	5.5	9.0	8.5	9.0	15.0	15.0	15.0	19.5	19.5	19.5
17	5.5	5.0	5.0	10.0	9.0	9.5	17.5	16.0	16.0	19.5	19.5	19.5
18	5.0	5.0	5.0	10.5	10.0	10.5	16.0	16.0	16.0	19.5	19.5	19.5
19	5.0	5.0	5.0	10.5	10.5	10.5	16.0	16.0	16.0	20.0	19.5	19.5
20	5.0	5.0	5.0	11.0	10.5	10.5	16.0	16.0	16.0	21.0	20.0	20.5
21	5.0	5.0	5.0	11.0	10.5	11.0	16.0	16.0	16.0	21.0	21.0	21.0
22	5.0	5.0	5.0	10.5	10.5	10.5	17.5	16.0	17.0	21.0	21.0	21.0
23	5.0	5.0	5.0	10.5	10.5	10.5	17.0	16.0	16.5	21.5	21.0	21.0
24	5.0	5.0	5.0	10.5	10.5	10.5	16.0	16.0	16.0	22.5	21.5	22.0
25	5.0	5.0	5.0	11.0	10.5	11.0	18.0	16.0	17.0	23.5	22.5	23.0
26	5.0	5.0	5.0	11.5	11.0	11.5	18.0	18.0	18.0	23.5	23.5	23.5
27	5.0	5.0	5.0	12.0	11.5	12.0	18.5	18.0	18.5	23.5	23.5	23.5
28	5.0	5.0	5.0	13.0	12.0	12.5	19.0	18.5	19.0	23.5	23.0	23.0
29	---	---	---	13.0	13.0	13.0	20.0	19.0	19.5	23.5	23.0	23.0
30	---	---	---	13.0	13.0	13.0	20.0	20.0	20.0	23.5	23.5	23.5
31	---	---	---	13.5	13.0	13.5	---	---	---	24.0	23.5	23.5
MONTH	7.5	3.0	5.0	13.5	5.0	8.7	20.0	13.0	15.6	24.0	19.0	20.7

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.5	24.0	24.0	26.5	26.0	26.5	27.5	27.5	27.5	29.0	28.5	29.0
2	24.5	24.5	24.5	26.0	26.0	26.0	27.5	27.5	27.5	29.0	29.0	28.5
3	25.0	24.5	24.5	26.5	26.0	26.0	28.0	27.5	28.0	29.0	28.5	28.0
4	25.0	25.0	25.0	26.5	26.5	26.5	28.0	28.0	28.0	28.5	28.0	28.0
5	25.0	25.0	25.0	27.0	26.5	26.5	28.5	28.0	28.0	28.5	28.0	28.0
6	25.0	24.5	24.5	27.5	27.0	27.5	29.0	28.5	28.5	28.0	28.0	28.0
7	24.5	24.5	24.5	27.5	27.5	27.5	29.0	29.0	29.0	28.0	28.0	28.0
8	24.5	24.0	24.5	27.5	27.5	27.5	28.5	28.5	28.5	28.0	28.0	28.0
9	24.0	23.5	24.0	27.5	27.5	27.5	28.5	28.0	28.0	28.0	28.0	28.0
10	23.5	23.5	23.5	27.5	27.5	27.5	28.5	28.0	28.5	28.0	27.5	28.0
11	24.0	23.5	23.5	28.0	27.5	27.5	28.0	28.0	28.0	27.0	26.0	26.5
12	24.0	24.0	24.0	28.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0	26.0
13	24.0	24.0	24.0	28.5	28.0	28.5	28.0	27.5	27.5	26.0	25.5	25.5
14	23.5	23.5	23.5	28.5	28.0	28.5	27.5	27.5	27.5	25.5	23.5	24.5
15	23.5	22.5	23.0	28.5	28.5	28.5	28.5	27.5	28.0	24.5	23.5	24.5
16	22.5	22.5	22.5	28.5	28.0	28.5	28.0	27.5	27.5	23.5	23.0	23.5
17	22.5	22.5	22.5	28.0	27.5	28.5	27.5	27.0	27.0	23.0	22.5	22.5
18	23.0	22.5	22.5	27.5	27.0	27.5	27.0	27.0	27.0	22.5	22.0	22.0
19	23.0	23.0	23.0	27.0	27.0	27.0	27.5	27.0	27.0	22.0	21.5	21.5
20	23.5	23.0	23.0	27.0	26.0	26.5	27.5	27.0	27.0	21.5	21.5	21.5
21	24.5	23.5	24.0	26.0	26.0	26.0	28.0	27.5	27.5	21.5	21.0	21.0
22	25.0	24.5	24.5	26.0	26.0	26.0	28.0	27.5	27.5	21.5	21.5	21.5
23	25.5	25.0	25.0	26.0	26.0	26.0	28.5	28.0	28.0	21.5	21.0	21.0
24	26.5	25.5	26.0	26.0	26.0	26.0	28.5	28.0	28.0	21.0	19.0	20.0
25	26.5	26.5	26.5	26.0	26.0	26.0	28.5	28.0	28.5	19.0	19.0	19.0
26	27.0	26.5	26.5	26.0	26.0	26.0	28.5	28.5	28.5	18.5	18.5	18.5
27	27.0	27.0	27.0	26.5	26.0	26.5	28.5	28.0	28.0	18.5	18.5	18.5
28	27.0	27.0	27.0	27.0	26.5	27.0	28.5	28.5	28.5	---	---	---
29	27.0	27.0	27.0	27.5	27.0	27.5	28.5	28.5	28.5	---	---	---
30	26.5	26.5	26.5	28.0	27.5	27.5	29.0	29.0	29.0	---	---	---
31	---	---	---	27.5	27.5	27.5	29.0	28.5	29.0	---	---	---
MONTH	27.0	22.5	24.5	28.5	26.0	27.0	29.0	27.0	28.0	---	---	---

07258015 WHIG CREEK NEAR DARDANELLE, ARK.

LOCATION.--Lat 35°13'43", long 93°08'37", in SE ¼ Ne ¼ sec.29, T.7 N., R.20 W., Pope County, Hydologic Unit 11110203, at bridge on State Highway 7, and 0.7 mi northeast of Dardanelle.

PERIOD OF RECORD.--October 1986 to September 1987.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
11...	1115	9827	9827	7.2	16.0	7.5	7.4	0.7	310
NOV									
08...	1025	9827	9827	7.4	13.0	4.0	6.1	1.0	110
DEC									
13...	1100	9827	9827	7.1	7.0	10	10.0	0.6	32
JAN									
10...	1139	9827	9827	7.3	7.0	20	10.6	1.6	17
FEB									
07...	1045	9827	9827	6.9	3.0	15	11.3	2.1	15
MAR									
14...	1120	9827	9827	6.1	16.0	10	7.9	1.4	17
APR									
11...	1115	9827	9827	7.1	12.0	7.5	8.3	0.8	30
MAY									
09...	1105	9827	9827	7.1	20.0	130	6.0	16	17
JUN									
13...	0837	9827	9827	7.2	22.0	30	--	1.9	25
JUL									
11...	0930	9827	9827	7.3	26.0	10	5.3	3.5	36
AUG									
08...	1050	9827	9827	7.3	23.0	8.5	6.4	2.1	43
12...	1215	9827	9827	7.0	24.0	7.5	5.3	2.4	47

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1115	79	553	7	18.0	--	--	0.70	8.40
NOV									
08...	1025	89	--	5	10.0	0.070	1.4	1.5	5.10
DEC									
13...	1100	63	231	5	8.80	3.00	1.2	4.2	2.90
JAN									
10...	1139	41	145	14	4.30	1.00	0.40	1.4	--
FEB									
07...	1045	67	178	14	2.50	1.20	0.30	1.5	0.850
MAR									
14...	1120	58	165	12	4.40	0.710	0.09	0.80	1.40
APR									
11...	1115	62	227	7	7.80	4.60	0.40	5.0	2.80
MAY									
09...	1105	40	179	100	3.40	0.760	1.1	1.9	2.10
JUN									
13...	0837	41	201	41	5.80	--	--	1.0	2.80
JUL									
11...	0930	100	264	17	3.50	0.690	0.71	1.4	2.90
AUG									
08...	1050	77	291	11	6.50	0.170	1.2	1.4	4.60
12...	1215	56	293	14	11.0	0.230	0.77	1.0	5.20

07258015 WHIG CREEK NEAR DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1115	6.20	<1	<1	<15	<1	<0.50	50	6.3
NOV									
08...	1025	4.70	<1	1	<15	<1	--	70	10
DEC									
13...	1100	2.70	<1	<1	<15	3	--	30	5.0
JAN									
10...	1139	1.30	<1	2	<15	2	--	20	4.6
FEB									
07...	1045	0.650	<1	19	<15	<1	--	240	5.1
MAR									
14...	1120	1.40	<1	2	<15	1	--	40	5.4
APR									
11...	1115	2.50	<1	2	<15	2	--	40	7.4
MAY									
09...	1105	1.50	<1	5	<15	5	--	40	9.0
JUN									
13...	0837	1.91	1	1	38	<1	--	10	5.3
JUL									
11...	0930	2.50	<1	<1	<15	1	--	20	8.1
AUG									
08...	1050	3.80	<1	1	<15	<2	--	40	6.6
12...	1215	4.76	--	<1	27	<2	<0.40	10	5.8

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK.

LOCATION.--Lat 35°06'25", long 93°55'25", in NW ¼ NW ¼ sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on Sate Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville, and at mile 102.3.

DRAINAGE AREA.--241 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
11...	1425	9827	9827	0.20	8.1	18.0	7.0	--	1.2	4.5
NOV										
08...	1515	9827	9827	0.10	7.9	12.0	6.0	2.5	5.3	5.5
DEC										
13...	1340	9827	9827	79	7.4	6.0	30	11.5	1.0	5.5
JAN										
10...	1500	9827	9827	143	8.4	6.0	25	11.6	0.9	4.5
FEB										
07...	1515	9827	9827	247	7.1	2.0	20	--	0.8	3.5
MAR										
14...	1445	9827	9827	328	7.0	16.0	25	9.5	0.8	3.5
APR										
11...	1445	9827	9827	113	7.4	14.0	15	10.4	1.6	4.5
MAY										
09...	1330	9827	9827	383	7.4	21.0	40	8.0	1.6	3.0
JUN										
13...	1426	9827	9827	363	7.6	23.0	55	7.6	2.1	5.0
JUL										
11...	1425	9827	9827	12	7.6	29.0	8.5	7.1	2.5	3.8
AUG										
08...	1100	9827	9827	12	7.5	24.0	15	5.6	1.3	--
SEP										
12...	1440	9827	9827	2.0	7.4	25.0	60	5.2	2.1	5.6

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1425	5.0	--	4	0.070	0.320	0.0	0.30	0.050
NOV									
08...	1515	11	92	7	0.020	0.070	0.83	0.90	0.070
DEC									
13...	1340	11	71	4	0.170	0.040	0.46	0.50	0.050
JAN									
10...	1500	13	66	5	0.210	0.030	0.37	0.40	0.050
FEB									
07...	1515	11	50	5	0.290	0.060	0.34	0.40	0.070
MAR									
14...	1445	9.0	45	9	0.130	0.040	0.36	0.40	0.030
APR									
11...	1445	16	61	8	0.020	0.010	0.49	0.50	0.050
MAY									
09...	1330	13	63	33	0.120	0.650	0.0	0.60	0.050
JUN									
13...	1426	--	66	46	0.120	0.060	0.72	0.78	--
JUL									
11...	1425	--	65	10	<0.020	<0.050	--	0.50	0.040
AUG									
08...	1100	--	58	14	<0.020	<0.050	--	0.62	0.060
SEP									
12...	1440	8.0	81	27	0.180	0.070	0.81	0.88	0.090

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1425	0.010	<1	<1	<15	<1	<0.50	<10	--
NOV									
08...	1515	0.030	--	<1	--	--	--	<10	8.0
DEC									
13...	1340	0.020	--	<1	<15	21	--	<10	4.8
JAN									
10...	1500	0.070	2	--	<15	1	--	260	3.7
FEB									
07...	1515	0.030	2	<1	27	<1	--	<10	3.4
MAR									
14...	1445	0.030	1	3	<15	<1	--	<10	2.9
APR									
11...	1445	0.010	2	<1	--	1	--	10	3.4
MAY									
09...	1330	0.040	1	<1	<15	2	--	<10	5.4
JUN									
13...	1426	<0.010	<1	1	<15	2	--	10	6.2
JUL									
11...	1425	0.040	1	<1	<15	3	--	<10	4.0
AUG									
08...	1100	<0.030	1	<1	--	<2	--	<10	3.6
SEP									
12...	1440	--	<1	<1	<15	<2	<0.40	<10	3.9

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.

LOCATION.--Lat 35°06'06", long 93°39'02", in NW ¼ NW ¼ sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at outlet structure at Blue Mountain Dam on Petit Jean River, 1.9 mi southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 mi².

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TUR- BID- ITY (NTU) (00076)
JAN											
12...	0930	80513	80020	0.0	52	7.0	6.5	12.4	0.49	6	--
12...	0931	80513	80020	3.00	52	6.9	6.5	12.1	--	--	--
12...	0935	80513	81213	6.00	52	6.9	5.5	12.1	--	--	24
12...	0936	80513	80020	10.0	53	6.8	6.5	12.1	--	--	--
12...	0938	80513	80020	20.0	53	6.9	6.5	12.0	--	--	--
12...	0940	80513	81213	24.0	53	6.9	6.5	12.0	--	--	25
12...	0942	80513	80020	30.0	53	6.8	6.5	12.0	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN											
12...	0931	--	--	--	--	--	0.200	0.050	0.050	2.80	<0.100
12...	0935	1.8	13	2.4	1.7	9	0.200	0.060	0.050	--	--
12...	0940	1.7	13	2.4	1.7	8	0.200	0.060	0.050	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
01...	1015	80513	80020	0.0	62	7.2	9.0	11.7	0.30
01...	1016	80513	80020	10.0	62	7.0	8.5	11.2	--
01...	1017	80513	80020	20.0	61	7.0	8.5	11.0	--
01...	1018	80513	80020	30.0	61	7.0	8.5	10.9	--
01...	1019	80513	80020	40.0	62	7.0	8.0	10.9	--
01...	1020	80513	80020	42.0	62	7.0	8.0	10.9	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
20...	1145	80513	80020	0.0	38	6.3	10.0	10.9	0.36
20...	1146	80513	80020	10.0	38	6.3	9.5	10.2	--
20...	1147	80513	80020	20.0	35	6.3	9.0	10.2	--
20...	1148	80513	80020	30.0	36	6.3	9.0	10.2	--
20...	1149	80513	80020	40.0	34	6.3	9.0	10.2	--
20...	1150	80513	80020	47.0	35	6.3	9.0	10.1	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
APR									
17...	1205	80513	80020	0.0	51	6.6	18.0	9.4	1.00
17...	1206	80513	80020	3.00	51	6.6	17.0	9.0	--
17...	1207	80513	80020	10.0	52	6.6	16.0	8.7	--
17...	1208	80513	80020	20.0	51	6.5	15.0	7.9	--
17...	1209	80513	80020	30.0	51	6.4	14.5	7.4	--
17...	1210	80513	80020	40.0	51	6.4	14.0	7.1	--
17...	1211	80513	80020	43.0	51	6.3	14.0	6.9	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAY								
12...	1115	80513	80020	0.0	52	8.0	23.0	9.7
12...	1116	80513	80020	3.00	51	7.9	22.5	9.6
12...	1117	80513	80020	6.00	51	7.6	22.0	9.3
12...	1118	80513	81213	8.00	51	7.2	21.5	8.8
12...	1119	80513	80020	10.0	51	7.1	21.5	8.7
12...	1120	80513	80020	20.0	52	6.9	21.0	8.5
12...	1121	80513	80020	23.0	51	6.6	20.5	6.7
12...	1122	80513	80020	24.0	52	6.4	19.5	6.0
12...	1123	80513	80020	25.0	51	6.3	19.0	6.0
12...	1124	80513	81213	30.0	52	6.3	18.5	5.9
12...	1125	80513	80020	38.0	56	6.3	18.0	4.1

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
MAY								
12...	1115	0.30	0	--	--	--	--	--
12...	1118	--	--	100	39	2.0	13	2.5
12...	1124	--	--	100	35	1.6	13	2.5

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
12...	1116	--	--	<0.020	0.090	0.050	15.0	0.200
12...	1118	1.7	11	<0.020	0.090	0.050	--	--
12...	1124	1.7	11	<0.020	0.080	0.050	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN									
19...	1135	80513	80020	0.0	54	6.5	25.0	7.7	1.10
19...	1136	80513	80020	10.0	54	6.5	24.5	7.3	--
19...	1137	80513	80020	20.0	52	6.4	24.5	6.8	--
19...	1138	80513	80020	24.0	53	6.3	23.5	6.4	--
19...	1139	80513	80020	25.0	57	2.3	22.5	3.5	--
19...	1140	80513	80020	26.0	63	6.1	21.5	0.9	--
19...	1141	80513	80020	30.0	65	6.1	21.0	0.4	--
19...	1142	80513	80020	40.0	68	6.1	20.5	0.2	--
19...	1143	80513	80020	47.0	72	6.1	20.5	0.1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL									
17...	1350	80513	80020	0.0	67	6.4	26.0	5.7	0.36
17...	1352	80513	80020	10.0	67	6.4	26.0	5.1	--
17...	1353	80513	80020	20.0	67	6.4	26.0	4.9	--
17...	1354	80513	80020	30.0	68	6.4	26.0	4.8	--
17...	1355	80513	80020	32.0	68	6.4	26.0	4.7	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG								
07...	1430	80513	80020	0.0	60	6.7	30.0	7.4
07...	1431	80513	80020	3.00	60	6.6	30.0	6.9
07...	1432	80513	80020	7.00	59	6.4	29.0	5.9
07...	1433	80513	80020	10.0	60	6.4	29.0	5.6
07...	1434	80513	80020	11.0	65	6.1	28.0	2.3
07...	1435	80513	80020	14.0	69	6.1	27.0	0.8
07...	1436	80513	80020	16.0	69	6.1	26.0	0.2
07...	1437	80513	80020	20.0	68	6.1	25.5	0.2
07...	1438	80513	81213	28.0	75	6.1	24.5	0.1
07...	1439	80513	80020	30.0	72	6.1	24.5	0.1
07...	1440	80513	80020	35.0	75	6.3	23.5	0.1

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG								
07...	1430	0.88	1	--	--	--	--	--
07...	1432	--	--	--	6.0	1.6	--	--
07...	1438	--	--	70	20	1.9	23	3.8

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
07...	1431	--	--	<0.020	0.030	0.010	8.90	0.900
07...	1432	--	17	--	--	--	--	--
07...	1438	3.4	17	0.040	0.040	0.030	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
SEP									
05...	1115	80513	80020	0.0	72	6.4	27.0	5.9	0.43
05...	1116	80513	80020	10.0	75	6.4	27.0	5.1	--
05...	1117	80513	80020	20.0	81	6.3	26.5	1.2	--
05...	1118	80513	80020	30.0	81	6.2	26.0	0.6	--
05...	1119	80513	80020	35.0	89	6.5	25.0	0.3	--
05...	1120	80513	80020	40.0	118	6.6	24.0	0.3	--

07259001 PETIT JEAN RIVER NEAR WAVELAND, ARK.

LOCATION.--Lat 35°06'06", long 93°39'02", in NW ¼ NW ¼ sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at Blue Mountain Dam, 1.9 mi southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 mi².

PERIOD OF RECORD.--October 1975 to current year. Previously published as 07259500.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
JAN 12...	1000	80513	81213	51	7.0	6.5	13.2	13	--	24
FEB 01...	1000	80513	80020	61	7.1	8.5	12.8	--	--	--
MAR 20...	1100	80513	80020	35	6.4	9.0	12.4	--	--	--
APR 17...	1300	80513	80020	52	6.0	15.5	10.2	--	--	--
MAY 11...	0800	80513	81213	63	7.0	18.5	10.1	K4	40	29
JUN 19...	1115	80513	80020	33	6.2	24.0	8.4	--	--	--
JUL 17...	1300	80513	80020	69	6.4	25.5	7.5	--	--	--
AUG 07...	1500	80513	81213	64	6.5	28.5	6.3	150	30	10
SEP 05...	1145	80513	80020	76	6.6	27.0	6.6	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
JAN 12...	1000	2.3	13	2.5	1.7	8	0.200	0.060	0.050
MAY 11...	0800	1.7	18	3.6	2.1	14	<0.020	0.060	0.040
AUG 07...	1500	1.7	19	3.8	2.4	18	0.020	0.030	0.020

* 07260020 DUTCH CREEK AT SHARK, ARK.

LOCATION.--Lat 34°59'58", long 93°30'52", in SE ¼ NE ¼ sec.14, T.4 N., R.24 W., Yell County, Hydrologic Unit 11110204, on paved road 0.9 mi north of Highway 80 at Shark, and 2.0 mi west of Macedonia.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1235	9827	9827	0.60	7.6	16.0	15	3.5	1.3
NOV									
08.	1155	9827	9827	0.0	7.8	14.0	10	3.6	2.1
DEC									
13.	1227	9827	9827	17	7.5	7.0	15	11.4	0.6
JAN									
10.	1306	9827	9827	24	7.9	7.0	15	11.3	0.9
FEB									
07.	1203	9827	9827	46	7.3	3.0	10	13.0	0.6
MAR									
14.	1245	9827	9827	46	6.3	15.0	15	9.6	0.7
APR									
11.	1310	9827	9827	18	7.2	13.0	8.5	10.7	1.2
MAY									
09.	1231	9827	9827	24	7.1	20.0	25	8.0	1.2
JUN									
13.	0950	9827	9827	77	7.2	22.0	30	--	1.6
JUL									
11.	1050	9827	9827	5.5	7.3	28.0	9.2	4.3	0.7
AUG									
08.	1202	9827	9827	12	7.2	25.0	10	5.5	1.8
12.	1320	9827	9827	9.2	7.0	25.0	30	4.8	1.7

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1235	4.0	3.0	74	8	0.160	--	0.070	0.030
NOV									
08.	1155	4.5	6.0	--	6	0.020	0.040	0.070	0.010
DEC									
13.	1227	5.5	7.0	48	2	1.00	<0.010	0.010	0.030
JAN									
10.	1306	4.5	7.0	44	3	0.570	0.040	--	0.060
FEB									
07.	1203	3.0	5.0	29	3	0.620	0.110	0.050	0.040
MAR									
14.	1245	3.0	6.0	37	6	0.400	0.020	0.030	0.020
APR									
11.	1310	3.5	8.0	48	5	0.280	0.020	0.040	0.010
MAY									
09.	1231	2.9	6.0	46	13	0.200	0.140	0.090	0.020
JUN									
13.	0950	4.9	6.0	49	27	0.440	--	0.100	0.060
JUL									
11.	1050	4.0	6.0	61	7	0.140	0.070	0.050	0.030
AUG									
08.	1202	4.6	5.0	25	8	0.130	<0.050	0.050	<0.030
12.	1320	3.7	7.0	64	15	0.260	0.150	0.130	0.080

07260020 DUTCH CREEK AT SHARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1235	<1	<1	<15	<1	<0.50	<10	6.1
NOV								
08.	1155	<1	1	<15	1	--	<10	6.4
DEC								
13.	1227	<1	--	27	1	--	<10	2.1
JAN								
10.	1306	<1	<1	<15	2	--	<10	2.6
FEB								
07.	1203	<1	<1	<15	<1	--	<10	2.3
MAR								
14.	1245	<1	<1	<15	<1	--	10	2.1
APR								
11.	1310	<1	<1	<15	1	--	<10	2.2
MAY								
09.	1231	<1	<1	<15	1	--	<10	3.1
JUN								
13.	0950	<1	1	57	3	--	10	3.6
JUL								
11.	1050	<1	<1	<15	1	--	<10	4.8
AUG								
08.	1202	2	1	<15	4	--	<10	2.9
12.	1320	--	<1	<15	<2	<0.40	<10	7.6

07260500 PETIT JEAN RIVER AT DANVILLE, ARK.

LOCATION.--Lat 35°03'33", long 93°23'44", in NW¼SE¼ sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on left bank at downstream side of bridge on State Highway 10 at Danville, 0.3 mi upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi upstream from Spring Creek, 0.6 mi downstream from Dutch Creek, and at mile 46.8.

DRAINAGE AREA.--764 mi².

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft above National Geodetic Vertical datum of 1929. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi downstream.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft. As of July 1986, flow from 51.6 sq mi upstream from this station is controlled by 3-floodwater detention reservoirs that have a total combined capacity of 23,737 acre-ft below the spillway crests, of which 16,361 acre-ft is flood-detention capacity, 4,500 acre-ft is water-supply storage, and 2,876 acre-ft is sediment-storage capacity. Satellite telemeter at station.

AVERAGE DISCHARGE.--73 years, 622 ft³/s, 595,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft³/s Apr. 17, 1939, gage height, 31.82 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,500 ft³/s Feb. 16, gage height, 24.34 ft; minimum, 0.13 ft³/s Nov. 1-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	.20	1100	837	2550	2750	2160	450	2240	182	123	38
2	6.0	.13	1020	766	2590	2040	2260	742	2280	174	122	567
3	5.6	.13	675	744	3210	1720	2230	671	2560	115	111	284
4	4.9	.13	480	1120	1830	1740	2390	995	3880	66	93	105
5	4.2	.13	446	1150	1100	2680	2370	1010	4200	47	91	88
6	3.6	.13	297	952	859	1930	2370	1280	3490	37	87	81
7	3.2	.13	397	466	1710	1640	2360	1320	1240	30	90	78
8	3.1	.13	165	420	2340	2160	2400	1280	1460	33	82	77
9	2.9	.13	126	381	2460	2300	2360	1130	2150	28	87	80
10	2.6	.13	135	581	2640	2260	2330	966	2360	25	78	108
11	2.2	.13	130	857	2690	2020	2390	525	2320	14	62	237
12	2.0	.13	129	900	2610	1750	2440	419	2340	8.0	45	187
13	1.7	.13	135	895	2600	1590	2470	307	2070	21	30	172
14	1.4	.13	138	864	3210	1980	2440	198	1600	656	27	203
15	1.2	.13	154	856	4850	2130	2460	232	1910	411	23	193
16	1.2	.35	158	761	11200	2150	2420	712	2110	338	15	176
17	1.0	.47	160	700	6570	2170	2370	1450	2340	500	15	138
18	.88	22	158	852	4410	2200	2390	3110	2290	2170	14	124
19	.75	1050	154	975	3920	2220	2480	2270	2210	1400	16	100
20	.70	3680	105	912	3490	2180	2560	2340	2370	1200	15	78
21	.67	2240	84	436	3140	2610	2260	2330	2380	1290	14	63
22	.45	582	80	286	2760	2290	909	2290	2270	1270	11	53
23	1.0	181	83	260	2840	2230	507	2120	2440	1170	9.1	50
24	1.4	118	68	247	3040	2300	493	2330	2390	1200	9.2	47
25	1.3	90	53	279	3180	2310	217	2940	2270	1290	15	48
26	1.1	3240	46	987	3290	2270	106	3160	2130	1210	14	34
27	.98	4610	90	1210	3280	2290	94	4300	1910	820	17	13
28	.82	2170	1030	1550	3270	2390	92	2630	1310	368	16	9.9
29	.63	1270	1570	2640	---	3200	725	837	707	314	24	11
30	.50	1190	1640	1920	---	2930	1030	569	309	203	17	15
31	.39	---	1090	2130	---	2170	---	1720	---	140	16	---
TOTAL	65.67	20445.84	12096	27934	91639	68600	54083	46633	65536	16730.0	1388.3	3457.9
MEAN	2.12	682	390	901	3273	2213	1803	1504	2185	540	44.8	115
MAX	7.3	4610	1640	2640	11200	3200	2560	4300	4200	2170	123	567
MIN	.39	.13	46	247	859	1590	92	198	309	8.0	9.1	9.9
AC-FT	130	40550	23990	55410	181800	136100	107300	92500	130000	33180	2750	6860

CAL YR 1988 TOTAL 258289.21 MEAN 706 MAX 4610 MIN .13 AC-FT 512300
WTR YR 1989 TOTAL 408608.71 MEAN 1119 MAX 11200 MIN .13 AC-FT 810500

07260620 CHICKALAH CREEK AT CHICKALAH, ARK.

LOCATION.--Lat 35°09'36", long 93°17'32", in SW ¼ sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.

DRAINAGE AREA.--39.1 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1200	9827	9827	20	7.4	16.0	20	1.3	0.8
NOV									
08.	1115	9827	9827	21	7.7	12.0	15	1.7	4.3
DEC									
13.	1146	9827	9827	26	7.6	6.0	15	11.7	0.6
JAN									
10.	1228	9827	9827	41	7.9	6.0	10	11.8	0.7
FEB									
07.	1126	9827	9827	58	7.4	3.0	10	12.9	0.9
MAR									
14.	1205	9827	9827	43	6.3	14.0	10	9.8	0.5
APR									
11.	1210	9827	9827	24	7.1	10.0	15	11.5	0.8
MAY									
09.	1145	9827	9827	14	7.1	19.0	40	7.9	1.5
JUN									
13.	0915	9827	9827	34	7.3	20.0	25	--	0.9
JUL									
11.	1010	9827	9827	2.0	7.1	27.0	20	5.7	1.4
AUG									
08.	1125	9827	9827	4.0	7.1	23.0	15	6.6	1.3
12.	1250	9827	9827	34	7.0	24.0	9.5	3.2	1.7

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1200	7.5	5.0	92	3	0.030	--	0.080	0.040
NOV									
08.	1115	7.0	6.0	--	11	0.040	0.270	0.070	0.010
DEC									
13.	1146	4.0	6.0	40	2	0.470	<0.010	0.030	0.010
JAN									
10.	1228	3.5	5.0	38	3	0.410	0.030	--	0.050
FEB									
07.	1126	5.0	5.0	32	4	0.480	0.140	0.050	0.020
MAR									
14.	1205	2.5	6.0	32	4	0.340	0.050	0.030	0.030
APR									
11.	1210	3.0	8.0	41	6	0.260	0.020	0.030	0.010
MAY									
09.	1145	3.2	6.0	51	19	0.260	0.220	0.110	0.020
JUN									
13.	0915	4.6	5.0	49	12	0.210	--	0.060	0.030
JUL									
11.	1010	4.0	6.0	60	9	0.180	0.070	0.050	0.030
AUG									
08.	1125	4.5	5.0	41	6	0.250	0.050	0.050	<0.030
12.	1250	5.6	3.0	55	13	0.170	0.090	0.060	<0.030

07260620 CHICKALAH CREEK AT CHICKALAH, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1200	<1	<1	<15	<1	<0.50	<10	6.0
NOV								
08.	1115	<1	1	<15	<1	--	<10	6.5
DEC								
13.	1146	<1	3	<15	<1	--	<10	1.4
JAN								
10.	1228	<1	<1	<15	1	--	<10	1.8
FEB								
07.	1126	<1	1	25	<1	--	50	1.4
MAR								
14.	1205	<1	1	<15	1	--	<10	1.4
APR								
11.	1210	<1	1	<15	1	--	<10	1.4
MAY								
09.	1145	<1	<1	<15	2	--	<10	2.9
JUN								
13.	0915	<1	1	38	4	--	20	1.7
JUL								
11.	1010	<1	<1	<15	1	--	<10	2.9
AUG								
08.	1125	<1	<1	<15	<2	--	10	1.5
12.	1250	--	<1	<15	<2	<0.40	<10	2.0

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, ARK.

LOCATION.--Lat 35°07'26", long 92°47'11", in sec.35, T.6 N., R.17 W., Conway County, Hydrologic unit 11110203, at Lock and Dam No. 9, 2.0 mi northwest of Oppelo, and at mile 193.0.

DRAINAGE AREA.--154,949 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1718	9827	9827	4100	8.1	21.0	10	8.5	1.8
NOV									
08.	1635	9827	9827	2250	7.6	15.0	6.0	9.2	1.8
DEC									
13.	0844	9827	9827	8800	7.4	8.0	15	10.6	1.4
JAN									
10.	0900	9827	9827	20400	7.9	7.0	10	12.2	2.0
FEB									
07.	1631	9827	9827	20800	7.1	4.0	30	11.9	1.6
MAR									
14.	1717	9827	9827	87800	6.9	12.0	30	11.9	1.2
APR									
11.	1730	9827	9827	36900	7.9	15.0	30	9.6	1.8
MAY									
09.	1715	9827	9827	13700	8.1	22.0	15	8.6	1.6
JUN									
13.	1415	9827	9827	100000	7.6	26.0	35	--	1.8
JUL									
12.	0810	9827	9827	21400	8.0	29.0	20	5.6	0.3
AUG									
08.	1720	9827	9827	10800	8.3	29.0	8.0	7.8	1.9
13.	0815	9827	9827	5680	7.5	26.0	15	7.2	1.8

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1718	230	93	668	15	0.060	--	0.160	0.070
NOV									
08.	1635	210	91	--	10	0.050	0.020	0.110	0.070
DEC									
13.	0844	120	61	368	12	0.210	0.040	0.090	0.050
JAN									
10.	0900	65	43	259	13	0.190	0.020	--	0.070
FEB									
07.	1631	59	36	221	22	0.290	0.050	0.130	0.050
MAR									
14.	1717	33	39	185	23	0.350	0.040	0.060	0.050
APR									
11.	1730	87	53	305	25	0.290	0.040	0.110	0.040
MAY									
09.	1715	83	41	283	19	0.100	0.110	0.090	0.020
JUN									
13.	1415	130	49	352	36	0.240	--	0.130	0.060
JUL									
12.	0810	150	70	463	13	0.340	0.100	0.090	0.080
AUG									
08.	1720	100	69	382	11	0.130	0.070	0.080	<0.030
13.	0815	110	57	367	20	0.250	0.070	0.090	0.070

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1718	<1	<1	<15	<1	<0.50	<10	7.2
NOV								
08.	1635	<1	1	<15	<1	--	<10	7.5
DEC								
13.	0844	<1	--	<15	13	--	10	4.2
JAN								
10.	0900	<1	6	<15	3	--	<10	5.5
FEB								
07.	1631	<1	--	26	<1	--	290	5.8
MAR								
14.	1717	<1	<1	<15	1	--	<10	5.2
APR								
11.	1730	<1	1	<15	1	--	10	7.0
MAY								
09.	1715	<1	<1	<15	1	--	<20	6.1
JUN								
13.	1415	<1	1	<15	2	--	10	5.3
JUL								
12.	0810	<1	<1	<15	2	--	<10	7.4
AUG								
08.	1720	<1	6	<15	<2	--	200	5.8
13.	0815	--	<1	<15	<2	<0.40	<10	4.8

07260675 WHITE OAK CREEK NEAR ATKINS, ARK.

LOCATION.--Lat 35°15'16", long 92°53'38", in SW ¼ NE ¼ sec.15, T.7 N., R.18 W., Pope County, Hydrologic Unit 11110203, at bridge on county road, 0.4 mi from Union Grove Church, and 3.0 mi east of Atkins.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
11...	0915	9827	9827	7.6	15.0	20	6.5	3.0	120
NOV									
08...	0813	9827	9827	7.8	9.0	15	7.3	3.6	210
DEC									
13...	0859	9827	9827	7.3	2.0	30	12.2	0.8	49
JAN									
10...	0930	9827	9827	7.7	4.0	25	12.0	0.9	27
FEB									
07...	0840	9827	9827	7.2	0.0	20	13.6	0.8	18
MAR									
14...	0919	9827	9827	6.4	14.0	30	10.1	1.0	26
APR									
11...	0910	9827	9827	7.3	7.0	20	10.7	2.1	50
MAY									
09...	0920	9827	9827	7.0	17.0	70	7.9	5.5	12
JUN									
13...	0650	9827	9827	7.3	21.0	20	--	1.7	35
JUL									
11...	0720	9827	9827	7.3	28.0	10	0.3	15	280
AUG									
08...	0850	9827	9827	7.5	21.0	6.0	6.5	3.5	120
12...	1015	9827	9827	7.3	24.0	25	6.7	4.1	120

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	0915	30	334	5	0.570	--	--	0.70	0.310
NOV									
08...	0813	30	--	9	0.240	0.140	1.3	1.4	0.340
DEC									
13...	0859	24	157	4	0.420	0.160	0.44	0.60	0.070
JAN									
10...	0930	20	112	5	0.390	0.040	0.46	0.50	--
FEB									
07...	0840	15	84	5	0.470	0.090	0.31	0.40	0.070
MAR									
14...	0919	21	113	13	0.300	0.140	0.36	0.50	0.060
APR									
11...	0910	23	159	13	0.020	0.090	0.91	1.0	0.090
MAY									
09...	0920	15	104	37	0.200	0.120	1.4	1.5	0.260
JUN									
13...	0650	15	124	9	0.190	--	--	0.70	0.090
JUL									
11...	0720	15	830	23	<0.020	0.130	2.0	2.1	0.160
AUG									
08...	0850	40	366	7	<0.020	0.050	1.2	1.3	0.080
12...	1015	51	358	15	0.310	0.360	1.2	1.6	0.140

07260675 WHITE OAK CREEK NEAR ATKINS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	0915	0.210	<1	<1	<15	<1	<0.50	<10	8.4
NOV									
08...	0813	0.210	<1	5	15	1	--	<10	9.3
DEC									
13...	0859	0.090	<1	<1	<15	2	--	10	4.1
JAN									
10...	0930	0.080	<1	<1	24	2	--	10	6.2
FEB									
07...	0840	0.050	<1	<1	<15	<1	--	10	4.0
MAR									
14...	0919	0.070	<1	<1	<15	1	--	20	4.2
APR									
11...	0910	0.030	<1	<1	<15	1	--	<10	4.8
MAY									
09...	0920	0.020	<1	<1	<15	4	--	10	13
JUN									
13...	0650	0.020	<1	<1	38	2	--	10	4.1
JUL									
11...	0720	0.090	<1	<1	22	1	--	<10	14
AUG									
08...	0850	<0.030	<1	<1	<15	<2	--	<10	7.9
12...	1015	0.080	--	<1	27	<2	<0.40	<10	8.5

07261000 CADRON CREEK NEAR GUY, ARK.

LOCATION.--Lat 35°17'56", long 92°24'10", in NW¼SE¼ sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile. 48.3.

DRAINAGE AREA.--169 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as "North Fork Cadron Creek near Guy."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--35 years, 282 ft^3/s, 22.66 in/yr, 204,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 ft^3/s Dec. 4, 1982, gage height, 29.29 ft, from rating curve extended above 19,000 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 20	0930	10,000	17.49	Feb. 03	1200	4,250	10.85
Nov. 26	2130	5,680	12.72	Feb. 15	1915	*11,800	*19.24

Minimum discharge, 3.9 ft^3/s Aug. 27, 28, 29, 30, 31, Sept. 1, gage height, 1.89 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e410	40	469	409	529	327	1070	69	109	13	197	4.4
2	e200	34	374	340	479	290	787	76	91	16	139	31
3	e85	30	319	296	2970	275	638	67	80	16	109	25
4	e30	27	276	248	1480	463	570	68	94	14	90	22
5	e20	25	234	251	956	2700	420	93	155	11	72	16
6	e15	21	212	458	709	1440	344	96	120	10	54	11
7	e15	21	201	393	571	976	289	79	98	9.5	43	8.1
8	e15	21	209	332	504	919	246	69	89	11	36	5.9
9	e10	26	194	288	468	741	205	1340	91	26	30	5.9
10	e10	29	183	273	412	616	169	650	79	17	25	12
11	e8.5	29	171	261	391	514	150	350	69	12	22	15
12	e7.0	33	164	305	377	437	137	244	65	9.8	20	375
13	e6.5	51	156	438	746	370	126	205	71	12	17	170
14	e6.0	82	150	513	1530	320	118	183	73	9.5	16	230
15	e6.0	65	141	555	8950	268	126	186	67	15	15	176
16	e35	60	134	458	5740	212	116	157	58	14	13	128
17	e45	59	131	383	1960	191	109	143	51	13	11	100
18	e50	222	128	325	1730	226	103	202	43	73	13	79
19	e45	5220	128	275	1230	279	99	183	38	175	9.6	63
20	28	7050	127	237	1400	234	99	178	34	96	9.6	57
21	25	1590	122	204	1990	251	91	247	30	66	8.7	51
22	21	931	122	187	1070	239	86	1250	25	117	7.5	43
23	20	653	140	176	746	205	84	1110	21	93	6.3	36
24	17	489	149	165	596	178	79	491	21	94	6.1	30
25	26	397	135	169	498	167	74	293	37	197	6.1	25
26	25	3650	128	1130	428	150	70	193	25	130	5.7	22
27	24	2710	142	1080	415	159	70	749	19	188	4.8	20
28	23	1190	903	751	425	267	68	501	18	129	4.5	19
29	30	815	781	1150	---	2040	61	309	16	86	4.1	17
30	49	607	581	906	---	2490	61	205	14	68	4.7	21
31	41	---	470	669	---	1860	---	141	---	299	4.2	---
TOTAL	1348.0	26177	7774	13625	39300	19804	6665	10127	1801	2039.8	1003.9	1818.3
MEAN	43.5	873	251	440	1404	639	222	327	60.0	65.8	32.4	60.6
MAX	410	7050	903	1150	8950	2700	1070	1340	155	299	197	375
MIN	6.0	21	122	165	377	150	61	67	14	9.5	4.1	4.4
AC-FT	2670	51920	15420	27030	77950	39280	13220	20090	3570	4050	1990	3610
CFSM	.26	5.16	1.48	2.60	8.31	3.78	1.31	1.93	.36	.39	.19	.36
IN.	.30	5.76	1.71	3.00	8.65	4.36	1.47	2.23	.40	.45	.22	.40

CAL YR 1988 TOTAL 100147.60 MEAN 274 MAX 7050 MIN .10 AC-FT 198600 CFSM 1.62 IN. 22.04
WTR YR 1989 TOTAL 131483.0 MEAN 360 MAX 8950 MIN 4.1 AC-FT 260800 CFSM 2.13 IN. 28.94

e Estimated

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, ARK.

LOCATION.--Lat 35°04'30", long 92°32'06", in sec.18, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at Toad Suck Ferry Dam, 6.0 mi west of Conway, and at mile 172.0.

DRAINAGE AREA.--156,386 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
11...	1600	9827	9827	2700	8.2	21.0	6.0	9.2	2.7	220
NOV										
08...	1530	9827	9827	2000	7.8	16.0	4.5	9.2	2.1	210
DEC										
13...	1604	9827	9827	9000	7.3	9.0	20	9.9	1.6	85
JAN										
10...	1700	9827	9827	20800	7.3	11.0	15	7.6	0.7	24
FEB										
07...	1525	9827	9827	23300	7.1	4.0	30	12.2	1.6	38
MAR										
14...	1611	9827	9827	93800	6.9	13.0	35	9.5	1.2	28
APR										
11...	1620	9827	9827	37000	7.9	15.0	30	9.9	1.8	80
MAY										
09...	1600	9827	9827	16200	8.2	22.0	15	8.3	1.4	95
JUN										
13...	1300	9827	9827	93100	7.5	25.0	35	--	1.7	110
JUL										
11...	1515	9827	9827	21300	8.0	30.0	25	6.8	0.9	140
AUG										
08...	1605	9827	9827	9170	8.4	29.0	7.5	8.9	2.4	120
SEP										
12...	0849	9827	9827	45400	8.1	27.0	15	8.1	1.8	110

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1600	94	645	11	0.010	--	--	0.60	0.100
NOV									
08...	1530	99	--	10	0.010	<0.010	--	0.90	0.090
DEC									
13...	1604	44	266	12	0.220	0.050	0.55	0.60	0.080
JAN									
10...	1700	39	183	11	4.00	2.70	0.80	3.5	--
FEB									
07...	1525	25	148	22	0.320	0.040	--	--	0.130
MAR									
14...	1611	36	165	25	0.360	0.040	--	--	0.070
APR									
11...	1620	50	292	27	0.300	0.030	0.67	0.70	0.120
MAY									
09...	1600	45	314	16	0.050	0.110	--	--	0.100
JUN									
13...	1300	45	330	32	0.240	--	--	--	0.120
JUL									
11...	1515	68	450	22	0.350	0.080	--	--	0.050
AUG									
08...	1605	65	386	12	0.100	<0.050	--	--	0.080
SEP									
12...	0849	55	379	22	0.240	0.100	--	--	0.100

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 11...	1600	0.040	<1	<1	<15	<1	<0.50	<10	7.1
NOV 08...	1530	0.040	<1	1	<15	<1	--	<10	7.5
DEC 13...	1604	0.050	<1	<1	<15	3	--	--	5.4
JAN 10...	1700	2.80	<1	6	<15	4	--	50	10
FEB 07...	1525	0.040	<1	<1	<15	<1	--	10	5.2
MAR 14...	1611	0.050	<1	<1	<15	1	--	20	5.0
APR 11...	1620	0.040	<1	1	<15	<1	--	<10	6.9
MAY 09...	1600	0.030	<1	<1	<15	1	--	<10	6.3
JUN 13...	1300	0.070	<1	1	<15	3	--	10	5.3
JUL 11...	1515	0.090	<1	1	<15	1	--	<10	7.7
AUG 08...	1605	<0.030	<1	8	<15	3	--	--	6.0
SEP 12...	0849	0.070	--	<1	<15	<2	<0.40	<10	4.1

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.

LOCATION.--Lat 34°52'21", long 93°39'24", in NW¼NW¼ sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi downstream from Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7.

DRAINAGE AREA.--410 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WSP 1007: 1939. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--50 years, 539 ft^3/s, 17.85 in/yr, 390,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 32.45 ft, from floodmarks, from rating curve extended above 47,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/)	Gage Height (ft)
Feb. 15	2100	*29,500	*23.48	June 06	0530	14,400	16.53
May 18	0400	15,000	16.90				

Minimum discharge, 0.12 ft^3/s Oct. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	1.3	464	671	1030	973	981	904	289	98	128	20
2	6.4	1.4	376	561	848	809	792	618	258	87	126	21
3	6.2	1.5	312	481	2960	720	681	491	304	141	126	19
4	5.2	1.7	266	414	1870	845	616	539	4870	171	106	17
5	3.8	1.7	229	364	1310	2450	507	781	4460	121	91	24
6	2.6	1.7	204	354	1040	1640	433	652	8350	92	79	28
7	1.9	1.8	189	358	863	1250	381	495	2370	77	72	23
8	1.2	1.9	207	322	750	1240	342	403	1540	85	63	23
9	.88	2.3	216	295	677	1350	305	371	1100	119	55	31
10	.57	3.7	209	285	627	1670	273	848	800	114	50	40
11	.48	3.9	209	285	588	1580	247	526	632	90	47	105
12	.42	6.8	208	321	561	1250	227	389	760	75	43	87
13	.35	8.4	203	545	586	988	209	320	1120	420	40	76
14	.29	9.0	195	801	1600	817	203	282	2100	414	36	71
15	.24	11	184	776	17000	687	214	255	1260	239	33	135
16	.21	21	169	674	12300	583	218	288	866	512	31	153
17	.18	28	156	585	3430	513	204	3210	659	1430	31	116
18	.14	84	147	517	4170	460	197	8170	527	3180	30	91
19	.16	1820	140	457	2450	419	2160	2330	419	1200	82	74
20	.28	3680	136	402	1830	411	960	1470	340	749	78	61
21	.37	1200	129	349	1810	408	637	1500	288	520	53	51
22	.38	637	126	312	1460	389	491	1230	237	391	39	44
23	.52	446	161	284	1170	357	392	1800	194	303	32	39
24	.62	342	261	265	993	321	322	1150	167	254	27	34
25	.67	357	294	272	858	293	273	809	142	397	25	31
26	.71	3450	254	2390	758	272	235	616	127	456	24	28
27	.77	2680	289	2340	822	285	207	598	114	306	21	25
28	.91	1280	3160	1440	1230	382	184	635	100	241	18	23
29	.97	817	1730	3520	---	2350	164	535	91	194	18	23
30	1.0	600	1110	2020	---	2080	210	422	93	174	23	25
31	1.1	---	827	1360	---	1340	---	343	---	147	25	---
TOTAL	46.42	17500.1	12760	24020	65591	29132	13265	32980	34577	12797	1652	1538
MEAN	1.50	583	412	775	2343	940	442	1064	1153	413	53.3	51.3
MAX	6.9	3680	3160	3520	17000	2450	2160	8170	8350	3180	128	153
MIN	.14	1.3	126	265	561	272	164	255	91	75	18	17
AC-FT	92	34710	25310	47640	130100	57780	26310	65420	68580	25380	3280	3050
CFSM	.00	1.42	1.00	1.89	5.71	2.29	1.08	2.59	2.81	1.01	.13	.13
IN.	.00	1.59	1.16	2.18	5.95	2.64	1.20	2.99	3.14	1.16	.15	.14

CAL YR 1988 TOTAL 110279.04 MEAN 301 MAX 6160 MIN .14 AC-FT 218700 CFSM .73 IN. 10.01
WTR YR 1989 TOTAL 245858.52 MEAN 674 MAX 17000 MIN .14 AC-FT 487700 CFSM 1.64 IN. 22.31

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.-Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 11.	1340	9827	9827	0.48	8.5	18.0	4.5	8.3	1.2
NOV 08.	1300	9827	9827	--	8.1	14.0	5.0	7.1	1.0
DEC 13.	1340	9827	9827	203	7.9	8.0	15	11.7	0.6
JAN 10.	1413	9827	9827	285	8.2	8.0	10	11.8	0.7
FEB 07.	1300	9827	9827	851	7.8	3.0	10	13.3	0.8
MAR 14.	1348	9827	9827	809	6.7	16.0	8.5	10.2	0.6
APR 11.	1410	9827	9827	275	7.5	15.0	6.5	10.7	0.8
MAY 09.	1340	9827	9827	--	7.7	21.0	10	9.7	1.4
JUN 13.	1030	9827	9827	1010	7.6	23.0	20	--	1.1
JUL 11.	1255	9827	9827	89	7.6	30.0	8.0	7.4	0.8
AUG 08.	1345	9827	9827	62	7.8	28.0	6.5	8.6	1.7
12.	1455	9827	9827	43	7.7	27.0	4.5	8.8	1.9

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1340	3.5	3.0	45	5	0.010	--	0.050	0.010
NOV 08.	1300	3.5	7.0	--	7	0.010	<0.010	0.040	0.020
DEC 13.	1340	3.5	6.0	33	2	0.270	<0.010	0.020	<0.010
JAN 10.	1413	3.0	6.0	29	4	0.140	0.010	--	0.060
FEB 07.	1300	2.0	5.0	28	6	0.180	0.070	0.050	0.010
MAR 14.	1348	2.5	--	29	4	0.070	0.100	0.020	0.030
APR 11.	1410	2.5	8.0	37	5	0.010	0.010	0.030	0.010
MAY 09.	1340	2.6	7.0	35	6	<0.010	0.060	0.040	0.020
JUN 13.	1030	3.7	7.0	33	12	0.090	--	0.060	0.020
JUL 11.	1255	2.8	6.0	42	4	<0.020	<0.050	0.040	<0.030
AUG 08.	1345	3.6	5.0	11	4	0.020	<0.050	0.040	<0.030
12.	1455	3.5	3.0	35	5	0.040	<0.050	0.030	<0.030

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1340	<1	<1	<15	<1	<0.50	10	4.6
NOV								
08.	1300	<1	<1	<15	9	--	20	4.3
DEC								
13.	1340	<1	2	<15	<1	--	10	1.7
JAN								
10.	1413	<1	1	<15	3	--	<10	2.2
FEB								
07.	1300	1	<1	--	<1	--	10	2.1
MAR								
14.	1348	<1	<1	<15	<1	--	10	5.3
APR								
11.	1410	<1	<1	16	1	--	<10	1.7
MAY								
09.	1340	<1	<1	<15	1	--	<10	2.2
JUN								
13.	1030	<1	<1	<15	2	--	50	2.4
JUL								
11.	1255	<1	<1	<15	1	--	<10	3.2
AUG								
08.	1345	1	<1	<15	<2	--	20	2.0
12.	1455	--	<1	<15	<2	<0.40	<10	1.5

07262000 NIMROD LAKE NEAR NIMROD, ARK.

LOCATION.--Lat 34°57'07", long 93°09'38", in NW ¼ SW ¼ sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, at Nimrod Dam on Fourche LaFave River, 4.8 mi west of Nimrod, 10.2 mi upstream from South Fourche LaFave River, and at mile 62.6.

DRAINAGE AREA.--680 mi².

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
03...	0930	80513	80020	0.0	38	6.7	23.5	6.7	0.76
03...	0931	80513	80020	10.0	38	6.5	23.5	6.5	--
03...	0932	80513	80020	20.0	38	6.5	23.5	6.0	--
03...	0933	80513	80020	30.0	39	6.4	23.0	5.4	--
03...	0934	80513	80020	36.0	42	6.3	23.0	4.1	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
21...	0900	80513	80020	0.0	36	6.8	11.5	10.3	0.67
21...	0901	80513	80020	10.0	35	6.8	11.5	10.2	--
21...	0902	80513	80020	20.0	34	6.9	11.5	10.2	--
21...	0903	80513	80020	30.0	34	6.9	11.5	10.1	--
21...	0904	80513	80020	40.0	34	6.8	11.5	9.9	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
05...	0930	80513	80020	0.0	25	6.8	9.5	8.8	0.30
05...	0931	80513	80020	10.0	25	6.5	9.5	8.5	--
05...	0932	80513	80020	20.0	24	6.4	9.5	8.4	--
05...	0933	80513	80020	30.0	24	6.3	9.5	8.3	--
05...	0934	80513	80020	40.0	23	6.3	9.5	8.1	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
19...	1100	80513	80020	0.0	27	7.0	7.0	13.4
19...	1101	80513	80020	3.00	28	6.9	7.0	12.9
19...	1105	80513	81213	8.00	26	6.8	6.0	12.2
19...	1106	80513	80020	10.0	26	6.8	6.0	12.1
19...	1108	80513	80020	20.0	27	6.8	6.0	12.1
19...	1110	80513	81213	30.0	27	6.7	6.0	11.9
19...	1112	80513	80020	37.0	27	6.7	6.0	11.8

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
19...	1100	0.55	1	--	--	--	--	--
19...	1105	--	--	30	13	2.0	8	1.4
19...	1110	--	--	30	13	1.6	9	1.5

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
19...	1101	--	--	0.070	0.040	0.020	10.0	0.200
19...	1105	1.1	8	0.080	0.090	0.020	--	--
19...	1110	1.2	8	0.080	0.040	0.020	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
FEB									
01...	0850	80513	80020	0.0	32	7.2	9.5	11.8	0.30
01...	0851	80513	80020	10.0	32	7.1	9.5	11.2	--
01...	0852	80513	80020	20.0	31	7.1	9.5	10.9	--
01...	0853	80513	80020	30.0	30	7.1	9.5	10.8	--
01...	0854	80513	80020	40.0	31	7.0	9.5	10.7	--
01...	0855	80513	80020	42.0	30	7.0	9.5	10.6	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR									
20...	1030	80513	80020	0.0	26	6.3	11.5	10.2	0.64
20...	1031	80513	80020	10.0	26	6.2	11.5	10.0	--
20...	1032	80513	80020	20.0	26	6.2	11.5	10	--
20...	1033	80513	80020	30.0	25	6.2	11.5	9.9	--
20...	1034	80513	80020	36.0	25	6.2	11.5	9.5	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR									
17...	1015	80513	80020	0.0	29	6.9	17.0	9.8	1.20
17...	1016	80513	80020	10.0	29	6.8	16.0	9.1	--
17...	1017	80513	80020	20.0	29	6.7	15.0	8.2	--
17...	1018	80513	80020	30.0	30	6.4	14.5	7.0	--
17...	1019	80513	80020	40.0	30	6.3	14.0	5.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY											
18...	1130	80513	80020	0.0	36	6.5	21.0	8.7	--	--	--
18...	1131	80513	80020	3.00	35	6.5	21.0	8.5	--	--	--
18...	1132	80513	81213	7.00	35	6.5	20.5	7.6	20	9.4	1.6
18...	1133	80513	80020	10.0	36	6.4	20.5	7.5	--	--	--
18...	1134	80513	80020	20.0	36	6.4	20.5	7.3	--	--	--
18...	1135	80513	81213	29.0	35	6.4	20.0	6.7	20	15	1.6
18...	1136	80513	80020	30.0	36	6.3	20.0	6.7	--	--	--
18...	1137	80513	80020	36.0	36	6.2	20.0	5.6	--	--	--

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
18...	1131	--	--	--	--	<0.020	0.050	0.020	4.10	0.600
18...	1132	11	1.9	1.4	8	0.020	0.050	0.020	--	--
18...	1135	11	2.1	1.4	8	0.020	0.040	0.020	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUN									
19...	0945	80513	80020	0.0	33	6.2	25.5	7.6	1.00
19...	0946	80513	80020	10.0	33	6.2	25.0	7.3	--
19...	0947	80513	80020	18.0	33	6.1	24.5	6.0	--
19...	0948	80513	80020	19.0	34	6.0	24.0	5.2	--
19...	0950	80513	80020	20.0	34	5.9	23.5	5.0	--
19...	0951	80513	80020	30.0	37	5.9	22.5	3.0	--
19...	0952	80513	80020	40.0	38	5.8	22.0	2.3	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUL									
17...	1010	80513	80020	0.0	39	6.2	27.5	6.2	0.64
17...	1011	80513	80020	10.0	39	6.1	27.5	5.2	--
17...	1012	80513	80020	16.0	46	6.0	26.5	0.8	--
17...	1013	80513	80020	20.0	53	6.0	26.0	0.4	--
17...	1014	80513	80020	30.0	61	6.2	25.0	0.3	--
17...	1015	80513	80020	33.0	68	6.4	24.0	0.1	--
17...	1016	80513	80020	35.0	80	6.5	23.5	0.1	--
17...	1017	80513	80020	36.0	86	6.5	23.0	0.1	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
AUG											
07...	1010	80513	80020	0.0	35	6.4	31.0	7.5	1.10	0	--
07...	1011	80513	80020	3.00	35	6.4	31.0	7.1	--	--	--
07...	1015	80513	81213	7.00	36	6.3	31.0	6.5	--	--	20
07...	1016	80513	80020	9.00	37	6.1	30.0	4.4	--	--	--
07...	1017	80513	80020	10.0	38	5.9	29.0	3.0	--	--	--
07...	1018	80513	80020	11.0	38	5.8	28.5	2.1	--	--	--
07...	1019	80513	80020	12.0	39	5.8	27.5	1.0	--	--	--
07...	1020	80513	80020	13.0	40	5.8	26.5	0.3	--	--	--
07...	1021	80513	80020	20.0	46	5.8	25.5	0.1	--	--	--
07...	1022	80513	81213	27.0	48	5.9	25.0	0.1	--	--	80
07...	1023	80513	80020	30.0	50	5.9	25.0	0.1	--	--	--
07...	1024	80513	80020	34.0	85	6.4	24.5	0.1	--	--	--

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TUR-BID-ITY (NTU) (00076)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG											
07...	1011	--	--	--	--	--	<0.020	0.030	0.010	8.60	0.600
07...	1015	6.1	11	1.9	1.4	11	0.020	0.030	0.010	--	--
07...	1022	32	12	2.2	1.6	12	<0.020	0.070	0.040	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
SEP									
05...	0945	80513	80020	0.0	40	6.2	28.0	5.1	0.55
05...	0946	80513	80020	10.0	42	6.0	28.0	2.5	--
05...	0947	80513	80020	16.0	52	5.9	27.0	0.5	--
05...	0948	80513	80020	20.0	60	6.0	26.5	0.3	--
05...	0949	80513	80020	26.0	66	6.2	26.0	0.2	--

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, ARK.

LOCATION.--Lat 34°57'52", long 93°09'16", in NW ¼ SW ¼ sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod, 9.8 mi upstream from South Fourche LaFave River, and at mile 62.2.

DRAINAGE AREA.--684 mi².

PERIOD OF RECORD.--October 1957 to September 1960, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)
OCT										
03...	1000	80513	80020	38	6.8	21.5	8.3	--	--	--
NOV										
21...	0930	80513	80020	36	7.1	9.0	11.2	--	--	--
DEC										
05...	1000	80513	80020	24	6.5	9.5	11.6	--	--	--
JAN										
19...	1030	80513	81213	27	6.9	7.0	13.2	3	30	12
FEB										
01...	0835	80513	80020	31	7.1	9.5	12.4	--	--	--
MAR										
20...	1010	80513	80020	26	6.1	11.5	11.1	--	--	--
APR										
17...	1000	80513	80020	31	7.1	15.5	10.3	--	--	--
MAY										
18...	1200	80513	81213	36	6.6	20.5	9.4	27	10	12
JUN										
19...	0920	80513	80020	35	6.0	23.5	8.4	--	--	--
JUL										
17...	0955	80513	80020	50	6.1	25.5	8.6	--	--	--
AUG										
07...	0945	80513	81213	43	6.0	24.5	7.0	36	80	32
SEP										
05...	0925	80513	80020	52	6.2	26.0	7.1	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
JAN									
19...	1030	2.1	10	1.9	1.3	11	0.080	0.040	0.030
MAY									
18...	1200	1.8	11	2.1	1.4	10	0.020	0.040	0.020
AUG									
07...	0945	1.9	13	2.3	1.7	14	0.060	0.070	0.040

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, ARK.

LOCATION.--Lat 34°52'16", long 93°06'38", in NE ¼ NE ¼ sec.34, T.3 N., R.20 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 7 at Hollis, and just above confluence with Bear Creek.

DRAINAGE AREA.--127 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
11.	1450	9827	9827	4.0	8.1	17.0	7.0	7.2	1.4
NOV									
08.	1415	9827	9827	2.0	8.2	14.0	10	5.4	0.9
DEC									
13.	1445	9827	9827	28	7.7	8.0	25	10.8	0.8
JAN									
10.	1515	9827	9827	74	8.1	7.0	20	11.3	0.8
FEB									
07.	1404	9827	9827	473	7.4	3.0	20	12.7	1.1
MAR									
14.	1450	9827	9827	111	6.5	16.0	15	10.0	0.7
APR									
11.	1510	9827	9827	54	7.2	15.0	15	10.3	1.2
MAY									
09.	1450	9827	9827	79	7.3	21.0	20	8.0	1.1
JUL									
11.	1400	9827	9827	0.13	7.4	30.0	8.0	6.3	1.2
AUG									
08.	1450	9827	9827	17	7.3	27.0	15	7.3	2.4
12.	1555	9827	9827	11	7.2	25.0	15	7.3	2.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
11.	1450	4.0	4.0	59	6	0.060	--	0.040	0.010
NOV									
08.	1415	4.0	7.0	--	7	0.050	0.030	0.050	0.010
DEC									
13.	1445	4.0	7.0	40	5	0.180	0.010	0.030	0.020
JAN									
10.	1515	5.0	7.0	42	5	0.120	0.020	--	0.050
FEB									
07.	1404	3.0	5.0	32	13	0.180	0.060	0.060	0.020
MAR									
14.	1450	3.5	6.0	25	4	0.080	0.050	0.040	0.030
APR									
11.	1510	3.0	8.0	43	6	0.020	0.030	0.040	0.010
MAY									
09.	1450	3.3	7.0	44	10	0.080	0.070	0.070	0.030
JUL									
11.	1400	5.7	5.0	45	4	<0.020	0.080	0.050	<0.030
AUG									
08.	1450	3.8	7.0	34	6	0.050	<0.050	0.060	<0.030
12.	1555	3.6	4.0	50	9	0.090	<0.050	0.060	0.030

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1450	<1	<1	<15	<1	<0.50	<10	6.0
NOV								
08.	1415	<1	1	<3	<1	--	<10	5.3
DEC								
13.	1445	<1	1	<15	8	--	<10	4.5
JAN								
10.	1515	<1	<1	<15	3	--	10	3.7
FEB								
07.	1404	--	<1	<15	<1	--	10	4.8
MAR								
14.	1450	<1	<1	<15	--	--	20	2.8
APR								
11.	1510	<1	<1	<15	<1	--	<10	3.6
MAY								
09.	1450	<1	<1	47	1	--	<10	5.1
JUL								
11.	1400	<1	<1	<15	2	--	20	5.3
AUG								
08.	1450	<1	1	<15	<2	--	<10	6.1
12.	1555	--	<1	<15	<2	<0.40	<10	6.3

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, ARK.

LOCATION.--Lat 34°54'41", long 93°03'21", in SE¼NE¼ sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi upstream from Big Cove Creek, 2.1 mi downstream from Cedar Creek, 4.0 mi northeast of Hollis and at mile 5.6.

DRAINAGE AREA.--210 mi^2.

PERIOD OF RECORD.--May 1941 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 366.10 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.-Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--48 years, 297 ft^3/s, 19.21 in/yr, 215,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 ft^3/s Dec. 3, 1982, gage height, 24.55 ft, from rating curve extended above 35,000 ft^3/s on basis of slope-area measurement at gage heights, 18.51 ft, and 19.47 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 15	1300	12,000	10.80	Mar. 29	1000	*12,500	*10.94

Minimum discharge, 0.03 ft^3/s July 12, gage height, 1.56 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	6.5	192	379	426	500	886	71	81	1.0	169	36
2	50	6.2	150	301	458	383	553	60	63	1.3	123	116
3	24	5.9	120	247	5370	321	410	92	54	1.1	96	126
4	23	5.3	101	206	2270	634	365	308	270	.74	72	102
5	18	4.6	85	184	1360	3340	342	512	1050	.50	54	63
6	14	3.7	75	206	1030	1360	249	259	912	.40	44	47
7	11	3.3	68	211	788	856	209	168	253	.55	37	39
8	9.4	3.3	70	180	694	738	181	142	181	.92	33	35
9	8.6	3.3	70	162	420	630	153	166	114	.91	29	39
10	7.7	3.8	70	153	275	519	129	156	58	.44	25	84
11	7.0	3.6	65	165	262	423	110	109	34	.22	23	138
12	6.5	4.6	60	195	241	343	98	82	24	.12	21	120
13	6.0	5.6	55	421	317	281	88	70	20	56	20	89
14	5.7	11	53	562	1940	240	83	74	19	109	19	104
15	4.1	10	49	558	8520	209	87	68	16	260	18	163
16	3.9	10	44	423	4390	179	79	60	12	470	16	111
17	3.6	8.6	40	324	2230	157	74	76	9.3	e820	49	88
18	3.3	126	37	258	2180	142	66	999	6.9	e730	44	70
19	3.0	3740	36	215	1150	126	61	530	5.3	e640	27	44
20	3.2	3680	35	183	882	450	56	283	3.9	480	24	37
21	3.3	859	33	154	1020	1440	52	237	2.9	297	20	31
22	3.1	378	32	133	740	756	47	537	2.1	193	17	27
23	3.6	228	43	116	539	481	43	602	1.5	170	15	24
24	16	167	126	108	416	346	39	286	1.1	684	13	22
25	13	128	99	126	340	266	37	175	8.0	586	13	20
26	10	4210	80	596	287	225	34	125	2.9	352	19	18
27	9.0	1740	596	932	373	401	32	1600	1.6	796	17	17
28	8.0	678	3030	663	651	653	30	530	1.2	560	15	16
29	7.8	384	1090	1500	---	7970	30	250	.86	280	15	16
30	7.4	255	617	965	---	2870	55	156	.75	205	21	45
31	7.0	---	444	609	---	1920	---	104	---	215	21	---
TOTAL	409.2	16672.3	7665	11435	39569	29159	4678	8887	3209.31	7911.20	1129	1887
MEAN	13.2	556	247	369	1413	941	156	287	107	255	36.4	62.9
MAX	109	4210	3030	1500	8520	7970	886	1600	1050	820	169	163
MIN	3.0	3.3	32	108	241	126	30	60	.75	.12	13	16
AC-FT	812	33070	15200	22680	78490	57840	9280	17630	6370	15690	2240	3740
CFSM	.06	2.65	1.18	1.76	6.73	4.48	.74	1.37	.51	1.22	.17	.30
IN.	.07	2.95	1.36	2.03	7.01	5.17	.83	1.57	.57	1.40	.20	.33

CAL YR 1988 TOTAL 78115.14 MEAN 213 MAX 4210 MIN .13 AC-FT 154900 CFSM 1.02 IN. 13.84
WTR YR 1989 TOTAL 132611.01 MEAN 363 MAX 8520 MIN .12 AC-FT 263000 CFSM 1.73 IN. 23.49

e Estimated

07263240 STONE DAM CREEK NEAR CONWAY, ARK.

LOCATION.--Lat 35°03'32", long 92°26'28", in SW ¼ NE ¼ sec.24, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at intersection of two unnamed county roads, 1.0 mi west of State Highway 365, 0.6 mi south of State Highway 286, and 2.1 mi south of Conway Post Office.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT									
11...	1630	9827	9827	7.1	22.0	8.0	6.2	0.9	36
NOV									
08...	1555	9827	9827	7.0	19.0	25	6.3	1.0	38
DEC									
13...	1630	9827	9827	7.4	13.0	15	7.5	--	32
JAN									
10...	1625	9827	9827	7.7	8.0	10	11.7	1.8	57
FEB									
07...	1550	9827	9827	7.1	8.0	10	8.8	0.9	20
MAR									
14...	1636	9827	9827	6.4	18.0	15	5.8	1.8	24
APR									
11...	1647	9827	9827	7.3	16.0	15	7.5	2.5	29
25...	1415	9827	9827	8.0	21.0	15	--	1.2	3.3
MAY									
09...	1630	9827	9827	7.0	22.0	35	5.6	5.2	15
JUN									
13...	1335	9827	9827	7.1	25.0	10	--	1.1	30
JUL									
11...	1550	9827	9827	6.9	29.0	20	7.1	2.8	35
AUG									
08...	1635	9827	9827	7.5	26.0	30	4.5	--	31
12...	0917	9827	9827	6.6	25.0	30	2.6	--	34

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)
OCT									
11...	1630	49	298	8	8.00	--	--	--	8.00
NOV									
08...	1555	46	--	19	7.30	8.50	--	--	9.00
DEC									
13...	1630	45	210	8	0.410	10.2	--	--	5.80
JAN									
10...	1625	38	226	15	0.210	0.020	0.78	0.80	--
FEB									
07...	1550	27	132	9	2.30	2.30	0.50	2.8	1.80
MAR									
14...	1636	45	166	15	0.500	5.10	1.3	6.4	4.00
APR									
11...	1647	52	219	15	0.290	10.0	4.0	14	4.80
25...	1415	--	95	19	0.140	0.120	0.48	0.60	0.070
MAY									
09...	1630	32	159	23	4.80	1.20	1.2	2.4	2.20
JUN									
13...	1335	31	197	11	6.20	--	--	7.4	4.90
JUL									
11...	1550	50	245	17	8.70	0.730	1.2	1.9	5.20
AUG									
08...	1635	49	206	25	0.780	11.7	0.0	10	6.10
12...	0917	31	196	35	7.80	1.72	0.38	2.1	4.50

07263240 STONE DAM CREEK NEAR CONWAY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1630	7.00	<1	<1	<15	2	<0.50	30	12
NOV									
08...	1555	7.50	<1	5	<15	<1	--	40	12
DEC									
13...	1630	5.40	<1	1	<15	1	--	20	10
JAN									
10...	1625	0.060	<1	3	<15	3	--	<10	5.1
FEB									
07...	1550	1.40	<1	<1	--	17	--	40	9.5
MAR									
14...	1636	3.20	<1	2	<15	<1	--	30	9.4
APR									
11...	1647	4.00	<1	2	<15	2	--	20	18
25...	1415	0.030	<1	<1	44	--	--	<10	2.9
MAY									
09...	1630	2.10	<1	3	<15	4	--	20	11
JUN									
13...	1335	3.60	<1	<1	19	2	--	10	9.5
JUL									
11...	1550	4.80	<1	7	<15	3	--	<20	9.5
AUG									
08...	1635	4.85	<1	<1	<15	4	--	20	11
12...	0917	4.28	--	<1	<15	<2	<0.40	<10	7.6

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, ARK.

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in Murray Dam control house on right bank and at mile 141.5.

DRAINAGE AREA.--158,030 mi², of which 22,241 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage. Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 7, 1988, the North Little Rock Electric Department hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam.

AVERAGE DISCHARGE.--62 years, 41,870 ft³/s, 30,330,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft³/s May 27, 1943, gage height, 30.05 ft, site and datum then in use; minimum daily, 14 ft³/s Oct. 25, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 215,000 ft³/s Feb. 16, tailwater elevation, 246.16 ft; minimum daily, 75 ft³/s Nov. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12400	1520	39900	34100	e62000	e56000	142000	2890	62700	73000	22300	38300
2	3300	1210	36300	18700	64300	e50000	109000	1670	50800	56300	29300	33200
3	3530	1940	28500	31400	91900	e42000	95000	10500	45500	46300	37000	42500
4	4000	2420	16500	34200	115000	e52000	94100	14700	50100	45400	18600	42700
5	3160	2300	13000	23600	100000	e70000	103000	14400	63400	39800	26000	28800
6	4050	1940	13400	32900	60800	e76000	94200	9230	81900	42600	19300	28900
7	5360	2770	15300	29300	33100	e73000	81500	7560	91500	44800	6900	34200
8	3340	1880	20300	26600	54500	e62000	60400	4690	80600	28100	13200	47400
9	1570	1100	16500	32800	51000	e58000	55900	21100	65600	27900	26900	50400
10	1330	853	7170	20500	46800	e57000	51400	21600	63100	28300	20100	54000
11	2990	262	6510	20400	38400	77500	45300	12400	56200	30100	13700	59000
12	14300	75	10000	14200	23900	101000	48200	21800	64200	23300	3340	53100
13	8140	8680	11300	23900	38600	115000	35000	4360	95100	51700	3010	48700
14	460	11100	9670	20600	81600	105000	39700	9900	125000	37600	4060	69500
15	860	13600	15700	10600	e160000	92500	39500	28300	142000	37800	4080	81200
16	3010	21800	11200	22800	205000	85300	27500	7840	146000	32700	540	82400
17	7390	12100	6790	19700	209000	83400	5890	25800	139000	38000	5270	72900
18	4690	12100	3260	18400	191000	82900	4030	43600	131000	46400	19800	74500
19	13900	34300	5310	17300	e160000	74300	20900	56500	129000	56700	18000	75000
20	3710	78200	3470	19100	e150000	57300	37100	88900	131000	53800	25400	68100
21	3240	55500	6660	12500	e140000	57400	16700	92800	140000	51400	37000	72300
22	2070	43300	3550	7840	e130000	53900	6170	87500	136000	58300	44100	72900
23	2380	50300	10000	4850	e110000	56300	6410	105000	119000	48500	44500	57200
24	4250	38100	19300	8580	e99000	52400	14200	105000	88500	38400	40300	34700
25	5290	40200	18400	e14000	e100000	50000	16800	101000	78600	30200	39700	41400
26	8510	59400	24400	e57000	e93000	50200	10700	87800	80300	36600	36800	41900
27	6620	74800	12000	e81000	e66000	41200	21700	93300	82000	35700	33200	36000
28	4320	44900	32700	e72000	e63000	36500	5540	110000	81700	36600	32900	30800
29	3760	46000	42900	e75000	---	89800	9110	97900	71200	31200	29400	37900
30	3930	26700	47200	e91000	---	122000	7370	77100	69900	13600	30000	40900
31	3120	---	47000	e84000	---	138000	---	70900	---	11800	27600	---
TOTAL	148980	689350	554190	978870	2737900	2217900	1304320	1436040	2760900	1232900	712300	1550800
MEAN	4806	22980	17880	31580	97780	71550	43480	46320	92030	39770	22980	51690
MAX	14300	78200	47200	91000	209000	138000	142000	110000	146000	73000	44500	82400
MIN	460	75	3260	4850	23900	36500	4030	1670	45500	11800	540	28800
AC-FT	295500	1367000	1099000	1942000	5431000	4399000	2587000	2848000	5476000	2445000	1413000	3076000

CAL YR 1988 TOTAL 15367598 MEAN 41990 MAX 182000 MIN 75 AC-FT 30480000
WTR YR 1989 TOTAL 16324450 MEAN 44720 MAX 209000 MIN 75 AC-FT 32380000

e Estimated

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT										
04...	1200	9827	9827	--	3580	--	23.0	3.0	10.0	2.7
NOV										
01...	1145	9827	9827	--	2550	7.5	17.0	6.0	9.2	2.3
DEC										
06...	1200	9827	9827	--	3500	6.7	10.0	20	10.2	1.2
JAN										
03...	1145	9827	9827	--	1300	--	8.0	10	11.2	1.4
31...	1230	9827	9827	120000	--	6.8	10.0	45	11.6	1.5
FEB										
28...	1215	9827	9827	101000	--	6.3	7.0	35	11.7	0.8
APR										
04...	1200	9827	9827	--	2600	7.3	17.0	40	9.2	1.1
MAY										
02...	1245	9827	9827	--	1920	8.0	20.0	8.2	8.1	1.3
JUN										
06...	1145	9827	9827	--	1900	7.5	26.0	40	7.4	1.7
JUL										
18...	1330	9827	9827	82800	--	7.7	23.0	25	6.5	1.1
AUG										
15...	1330	9827	9827	--	4400	8.8	31.0	4.5	13.5	1.5
SEP										
19...	1215	9827	9827	--	7000	8.0	25.0	25	8.2	0.8

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT										
04...	1200	250	140	--	9	0.010	0.030	0.47	0.50	0.080
NOV										
01...	1145	230	99	632	9	<0.010	0.020	--	--	0.080
DEC										
06...	1200	65	35	218	11	0.170	0.060	0.44	0.50	0.080
JAN										
03...	1145	56	38	239	12	0.210	0.050	0.95	1.0	0.090
31...	1230	38	29	177	29	0.190	0.040	--	--	0.100
FEB										
28...	1215	25	22	--	19	0.280	0.080	0.52	0.60	0.090
APR										
04...	1200	36	29	156	27	0.380	0.020	0.88	0.90	0.160
MAY										
02...	1245	110	52	343	11	<0.010	0.020	0.88	0.90	0.060
JUN										
06...	1145	70	35	254	32	0.340	0.030	0.75	0.78	0.100
JUL										
18...	1330	120	55	370	19	0.260	0.070	0.53	0.60	0.110
AUG										
15...	1330	120	58	390	7	<0.020	<0.050	--	0.55	0.040
SEP										
19...	1215	--	64	431	26	0.520	--	--	0.60	0.150

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1200	0.020	<1	<1	19	1	<0.50	10	9.9
NOV									
01...	1145	0.030	<1	1	<15	12	--	10	6.9
DEC									
06...	1200	0.040	<1	2	<15	11	--	<10	5.9
JAN									
03...	1145	0.020	<1	<1	<15	2	--	10	4.6
31...	1230	0.040	<1	<1	<15	<1	--	20	5.6
FEB									
28...	1215	0.060	<1	5	<15	3	--	<10	5.3
APR									
04...	1200	0.050	<1	2	--	1	--	--	5.7
MAY									
02...	1245	<0.010	--	<1	<15	<1	--	10	5.9
JUN									
06...	1145	0.060	<1	--	<15	3	--	--	--
JUL									
18...	1330	0.030	<1	<1	16	2	--	<10	5.8
AUG									
15...	1330	<0.030	<1	<1	<15	<2	--	<10	4.4
SEP									
19...	1215	0.050	<1	<1	16	<2	<0.40	<10	--

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARK.
(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1970 to September 1978, October 1980 to September 1981.
pH: April 1970 to September 1978.
WATER TEMPERATURES: October 1969 to September 1978, October 1980 to September 1981.
DISSOLVED OXYGEN: October 1969 to September 1978.

INSTRUMENTATION.--Water-quality monitor October 1969 to September 1981.

REMARKS.--Discharge figures are for station 07263450, 16.8 mi upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT 11.	0850	80513	80020	1560	1060	8.5	19.5	5.1	7.3	80	757
DEC 19.	0800	80513	80020	4020	464	7.5	6.0	9.0	10.8	87	757
FEB 02.	1200	80513	80020	62000	241	7.8	9.0	47	11.1	97	758
APR 12.	0815	80513	80020	51800	501	8.1	14.0	18	9.5	92	763
JUL 05.	1030	80513	80020	41100	700	8.3	27.0	16	10.0	128	752
AUG 01.	0730	80513	80020	19500	690	8.5	29.0	4.5	7.7	101	758

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
OCT 11.	0850	42	79	230	59	20	150	58	4	4.2	121
DEC 19.	0800	15	9	93	25	7.4	52	54	2	2.3	64
FEB 02.	1200	K260	1100	65	18	4.8	21	40	1	2.3	52
APR 12.	0815	8	8	110	30	7.9	51	50	2	2.5	68
JUL 05.	1030	57	99	140	38	10	76	54	3	3.5	88
AUG 01.	0730	150	K1100	130	35	9.1	85	59	3	3.6	87

DATE	TIME	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT 11.	0850	6	140	125	230	120	0.30	0.21	674	666	0.92
DEC 19.	0800	0	78	64	78	36	0.20	4.3	246	246	0.33
FEB 02.	1200	0	62	51	27	24	0.10	3.2	125	132	0.17
APR 12.	0815	0	82	67	76	41	0.20	3.5	271	254	0.37
JUL 05.	1030	0	107	88	120	53	0.20	5.5	367	361	0.50
AUG 01.	0730	2	103	88	120	50	0.20	4.3	371	363	0.50

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)
OCT 11.	0850	2840	--	<0.010	<0.100	0.020	0.020	0.56	0.60	0.100	0.080
DEC 19.	0800	2670	0.240	0.010	0.250	0.120	0.210	0.38	0.50	0.090	0.050
FEB 02.	1200	20900	0.190	0.010	0.200	0.010	0.010	0.69	0.70	0.100	0.030
APR 12.	0815	37900	--	<0.010	0.290	0.030	0.020	0.47	0.50	0.060	0.030
JUL 05.	1030	40700	--	<0.010	0.420	0.020	0.020	0.28	0.30	0.060	0.050
AUG 01.	0730	19500	0.180	0.010	0.190	0.060	0.030	0.64	0.70	0.200	0.050

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
OCT 11.	0850	10	2	130	<0.5	<1	<3	1	3	<5	10
DEC 19.	0800	40	1	55	<0.5	<1	<3	5	86	<5	5
JUL 05.	1030	20	1	83	<0.5	<1	<3	1	17	<1	5
AUG 01.	0730	20	1	77	<0.5	<1	<3	3	23	1	6

DATE	TIME	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030)
OCT 11.	0850	2	0.1	<10	<1	<1	<1.0	560	<6	11	1.1
DEC 19.	0800	11	<0.1	<10	5	<1	1.0	210	<6	8	1.1
JUL 05.	1030	<1	<0.1	<10	<1	<1	<1.0	330	<6	<3	--
AUG 01.	0730	2	<0.1	<10	<1	<1	<1.0	310	<6	10	--

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 11.	0850	<0.4	7.1	0.8	4.8	0.8	0.09	0.95	8	34	39
DEC 19.	0800	0.4	4.3	0.5	3.1	0.5	0.07	0.56	11	119	60
FEB 02.	1200	--	--	--	--	--	--	--	55	9210	77
APR 12.	0815	--	--	--	--	--	--	--	30	4200	79
JUL 05.	1030	--	--	--	--	--	--	--	24	2660	89
AUG 01.	0730	--	--	--	--	--	--	--	10	527	81

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARK.

LOCATION.--Lat 34°24'48", long 92°06'07", in SE ¼ NE ¼ sec.33, T.3 S., R.10 W., Jefferson County, Hydrologic Unit 11110207, at left bank on downstram side of lock and dam, 4.0 mi southwest of Wright, off State Highway 256.

DRAINAGE AREA.--158,542 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
04...	1600	9827	9827	5990	7.5	26.0	3.5	9.4	2.4	220
NOV										
01...	0630	9827	9827	900	8.0	11.0	5.5	8.8	2.1	220
DEC										
06...	0900	9827	9827	10500	6.7	9.0	25	9.5	1.2	70
JAN										
03...	0930	9827	9827	32200	7.3	8.0	15	11.2	2.0	67
31...	0930	9827	9827	91200	7.7	9.0	35	11.8	1.8	52
FEB										
28...	0920	9827	9827	61900	6.5	6.0	45	12.1	1.3	28
APR										
04...	0900	9827	9827	92900	7.4	16.0	45	9.1	1.2	31
MAY										
02...	0845	9827	9827	600	8.1	21.0	6.0	7.8	1.5	110
JUN										
20...	0900	9827	9827	136000	7.9	25.0	--	--	2.0	100
AUG										
01...	0900	9827	9827	20800	--	29.0	--	--	--	--
29...	0900	9827	9827	26700	8.3	30.0	5.0	8.4	2.6	--
SEP										
05...	0900	9827	9827	30800	8.4	29.0	7.0	7.7	2.5	--

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	1600	120	--	14	0.010	0.010	0.49	0.50	0.090
NOV									
01...	0630	100	641	11	0.020	0.180	1.0	1.2	0.130
DEC									
06...	0900	38	231	--	0.190	0.100	0.50	0.60	0.110
JAN									
03...	0930	43	--	15	0.180	0.010	0.69	0.70	0.100
31...	0930	37	--	--	0.180	0.020	--	--	0.110
FEB									
28...	0920	24	159	24	0.340	0.110	0.39	0.50	0.130
APR									
04...	0900	26	155	28	0.390	0.080	0.52	0.60	--
MAY									
02...	0845	51	346	8	<0.010	0.030	0.57	0.60	0.070
JUN									
20...	0900	50	329	--	0.340	<0.010	--	0.70	0.130
AUG									
29...	0900	74	464	14	<0.020	<0.050	--	0.82	0.100
SEP									
05...	0900	82	588	--	0.030	<0.050	--	0.77	0.090

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1600	0.040	--	<1	--	1	<0.50	<10	9.4
NOV									
01...	0630	0.080	--	<1	<15	<1	--	10	7.5
DEC									
06...	0900	0.060	<1	<1	<15	5	--	<10	6.0
JAN									
03...	0930	0.030	<1	<1	<15	2	--	--	5.1
31...	0930	0.030	<1	<1	38	3	--	10	5.1
FEB									
28...	0920	0.070	<1	1	<15	--	--	20	5.5
APR									
04...	0900	0.060	<1	1	--	<1	--	<10	5.7
MAY									
02...	0845	<0.010	<1	<1	<15	1	--	<10	5.7
JUN									
20...	0900	<0.010	<1	1	<15	2	--	20	6.6
AUG									
01...	0900	--	--	<1	<15	<2	--	<10	--
29...	0900	<0.030	<1	<1	<15	<2	--	<10	5.8
SEP									
05...	0900	0.040	<1	<1	<15	<2	<0.40	<10	5.8

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARK.

LOCATION.--Lat 34°14'56", long 91°54'22", in SE ¼ NE ¼ sec.29, T.5 S., R.5 W., Jefferson County, Hydrologic Unit 11110207, on upstream side of lock and dam at end of State Highway 81, 2.2 mi east of St. Louis Southwestern Railroad Yard.

DRAINAGE AREA.--158,542 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT										
04...	1445	9827	9827	7800	7.5	26.0	5.0	9.2	2.5	230
NOV										
01...	0730	9827	9827	300	7.9	11.0	5.0	9.1	2.0	220
DEC										
06...	0945	9827	9827	11400	6.8	9.0	20	9.9	1.1	73
JAN										
03...	1030	9827	9827	31700	7.2	8.0	15	11.6	1.9	71
31...	1015	9827	9827	93700	7.6	9.0	35	12.0	1.9	54
FEB										
28...	1015	9827	9827	72800	6.4	6.0	45	12.4	1.3	27
APR										
04...	1020	9827	9827	103000	7.3	16.0	40	9.4	1.0	30
MAY										
02...	0930	9827	9827	4250	8.1	21.0	6.6	8.1	1.3	100
JUN										
20...	0945	9827	9827	118000	7.9	25.0	--	--	1.2	110
AUG										
01...	1000	9827	9827	19600	8.0	29.0	10	7.4	1.5	--
29...	1000	9827	9827	24900	8.3	31.0	5.5	7.7	2.2	--
SEP										
05...	1000	9827	9827	31500	8.3	29.0	7.0	7.7	2.4	--

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	1445	120	--	11	0.010	0.020	0.48	0.50	0.090
NOV									
01...	0730	99	646	9	<0.010	0.080	0.82	0.90	0.110
DEC									
06...	0945	38	246	--	0.200	0.100	0.50	0.60	0.090
JAN									
03...	1030	43	--	16	0.150	<0.010	--	0.80	0.100
31...	1015	37	--	--	0.170	0.040	--	--	0.120
FEB									
28...	1015	24	163	25	0.340	0.120	0.38	0.50	0.130
APR									
04...	1020	26	149	33	0.440	0.150	0.65	0.80	--
MAY									
02...	0930	51	350	9	<0.010	0.040	0.66	0.70	0.090
JUN									
20...	0945	47	332	--	0.340	<0.010	--	0.70	0.130
AUG									
01...	1000	55	369	13	0.200	<0.050	--	0.82	0.090
29...	1000	69	440	12	0.020	<0.050	--	0.92	0.100
SEP									
05...	1000	76	568	--	0.050	<0.050	--	0.76	0.080

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1445	0.040	--	<1	--	<1	<0.50	<10	8.2
NOV									
01...	0730	0.100	--	<1	16	<1	--	10	8.0
DEC									
06...	0945	0.050	<1	<1	<15	2	--	<10	5.8
JAN									
03...	1030	0.030	<1	<1	<15	2	--	--	5.1
31...	1015	0.030	<1	<1	25	2	--	20	5.3
FEB									
28...	1015	0.070	<1	1	<15	1	--	10	5.7
APR									
04...	1020	0.060	<1	1	--	1	--	10	5.7
MAY									
02...	0930	<0.010	<1	<1	<15	1	--	<10	5.9
JUN									
20...	0945	<0.010	<1	2	<15	4	--	20	6.5
AUG									
01...	1000	0.030	--	<1	<15	<2	--	<10	5.9
29...	1000	0.030	<1	<1	<15	<2	--	<10	6.6
SEP									
05...	1000	0.050	<1	1	<15	<2	<0.40	<10	5.5

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, ARK.

LOCATION.--Lat 34°51'58", long 92°09'13", in NE 1/4 NE 1/4 sec.27, T.3 N., R.11 W., Pulaski County, Hydrologic Unit 08020402, at bridge on Cato Road, 2.2 mi east of State Highway 107, and 2.0 mi east of Gravel Ridge.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
04...	1040	9827	9827	--	21.0	6.5	1.4	4.2	4.5
NOV									
01...	1030	9827	9827	7.2	17.0	6.5	0.7	2.3	4.0
DEC									
06...	1040	9827	9827	6.8	10.0	15	8.9	1.1	3.0
JAN									
03...	1050	9827	9827	--	10.0	15	9.7	3.2	4.0
31...	1045	9827	9827	7.1	10.0	20	9.3	1.0	5.0
FEB									
28...	1040	9827	9827	6.3	7.0	30	10.9	1.7	2.0
APR									
04...	1045	9827	9827	7.0	18.0	15	7.7	0.9	2.5
MAY									
02...	1115	9827	9827	7.1	20.0	20	4.9	2.0	3.9
JUN									
06...	1100	9827	9827	7.0	23.0	75	5.6	2.9	2.9
JUL									
18...	1100	9827	9827	6.9	24.0	20	5.1	1.0	3.6
AUG									
15...	1045	9827	9827	7.1	24.0	20	1.3	2.2	6.6
SEP									
19...	1115	9827	9827	6.9	22.0	30	2.2	1.1	--

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	1040	6.0	--	6	0.050	0.110	0.39	0.50	0.080
NOV									
01...	1030	5.0	74	5	0.020	0.020	--	--	0.070
DEC									
06...	1040	6.0	43	5	0.130	0.040	0.36	0.40	0.050
JAN									
03...	1050	6.0	63	4	0.170	<0.010	--	0.60	0.050
31...	1045	8.0	51	8	0.090	0.020	--	--	0.060
FEB									
28...	1040	5.0	--	13	0.130	0.050	0.55	0.60	0.080
APR									
04...	1045	6.0	23	5	0.150	0.010	0.59	0.60	0.090
MAY									
02...	1115	8.0	75	12	0.120	0.090	0.81	0.90	0.100
JUN									
06...	1100	7.0	68	55	0.060	0.040	0.90	0.94	0.140
JUL									
18...	1100	6.0	61	18	0.070	0.060	0.74	0.80	0.070
AUG									
15...	1045	5.0	74	18	<0.020	0.050	1.0	1.1	0.130
SEP									
19...	1115	7.0	56	17	0.180	--	--	0.71	0.110

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1040	0.040	<1	<1	32	1	<0.05	<10	7.9
NOV									
01...	1030	0.050	<1	<1	<15	4	--	10	6.6
DEC									
06...	1040	0.020	<1	<1	<15	2	--	140	3.3
JAN									
03...	1050	0.010	<1	<1	<15	2	--	10	4.2
31...	1045	0.020	<1	<1	18	<1	--	20	5.3
FEB									
28...	1040	0.030	<1	1	25	2	--	<10	6.4
APR									
04...	1045	0.020	<1	<1	--	1	--	--	3.2
MAY									
02...	1115	<0.010	--	<1	<15	2	--	<10	9.5
JUN									
06...	1100	0.030	<1	--	<15	5	--	--	--
JUL									
18...	1100	<0.030	<1	<1	<15	3	--	<10	7.8
AUG									
15...	1045	0.050	<1	<1	<15	3	--	<10	8.7
SEP									
19...	1115	0.050	<1	1	15	2	<0.40	<10	--

07263935 BAYOU METO NEAR JACKSONVILLE, ARK.

LOCATION.--Lat 34°50'39", long 92°07'20", in NE ¼ SW ¼ sec.31, T.3 N., R.10 W., Pulaski County, Hydrologic Unit 08020402, at bridge on State Highway 161, 1:2 mi south of Missouri Pacific Railroad bridge and 0.4 mi south of Old Military Road (State Highway 294).

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
04...	1000	9827	9827	--	21.0	15	2.5	--	39
NOV									
01...	0930	9827	9827	7.6	17.0	7.0	4.6	3.7	40
DEC									
06...	0945	9827	9827	6.9	9.0	20	7.0	1.3	7.5
JAN									
03...	1000	9827	9827	--	9.0	20	8.2	2.1	6.5
31...	1000	9827	9827	7.1	10.0	20	8.2	0.9	7.5
FEB									
28...	0945	9827	9827	6.5	7.0	35	9.6	1.9	4.0
APR									
04...	1000	9827	9827	6.9	17.0	20	5.2	2.0	3.0
MAY									
02...	1030	9827	9827	7.1	20.0	25	4.8	3.0	7.9
JUN									
06...	1000	9827	9827	7.0	24.0	35	3.7	2.1	4.8
JUL									
18...	1038	9827	9827	6.8	24.0	20	2.5	2.4	4.9
AUG									
15...	1010	9827	9827	7.3	26.0	9.5	4.7	1.8	32
SEP									
19...	0935	9827	9827	7.0	23.0	20	2.4	1.5	--

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	1000	19	--	24	4.40	3.50	2.0	5.5	5.90
NOV									
01...	0930	31	262	11	9.30	2.60	--	--	6.40
DEC									
06...	0945	9.0	60	9	0.280	0.330	0.27	0.60	0.400
JAN									
03...	1000	9.0	87	8	0.430	0.180	0.82	1.0	0.290
31...	1000	9.0	57	13	0.230	0.170	--	--	0.300
FEB									
28...	0945	6.0	--	17	0.230	0.110	0.49	0.60	0.170
APR									
04...	1000	8.0	46	12	0.260	0.040	0.86	0.90	0.210
MAY									
02...	1030	12	93	28	0.140	0.390	0.71	1.1	0.560
JUN									
06...	1000	7.0	67	31	0.200	0.180	0.92	1.1	0.300
JUL									
18...	1038	7.0	72	28	0.070	0.150	1.2	1.4	0.210
AUG									
15...	1010	24	191	15	0.990	0.110	1.1	1.2	4.20
SEP									
19...	0935	17	109	12	0.890	--	--	1.1	2.20

07263935 BAYOU METO NEAR JACKSONVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1000	4.70	<1	<1	26	2	<0.50	10	20
NOV									
01...	0930	5.90	<1	<1	<15	<1	--	60	12
DEC									
06...	0945	0.340	<1	<1	<15	4	--	<10	6.5
JAN									
03...	1000	0.250	<1	<1	20	2	--	10	5.7
31...	1000	0.230	<1	<1	<15	<1	--	10	5.7
FEB									
28...	0945	0.110	<1	1	25	3	--	<10	5.8
APR									
04...	1000	0.110	1	<1	--	1	--	--	6.5
MAY									
02...	1030	0.450	--	<1	<15	7	--	<10	11
JUN									
06...	1000	0.200	<1	--	<15	5	--	--	--
JUL									
18...	1038	0.140	<1	<1	<15	2	--	<10	11
AUG									
15...	1010	3.60	1	<1	<15	<2	--	30	7.5
SEP									
19...	0935	2.00	<1	1	23	3	<0.40	10	--

07264000 BAYOU METO NEAR LONOKE, ARK.

LOCATION.--Lat 34°44'10", long 91°54'58", in SW ¼ sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi sout of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of U.S. Army Corps of Engineers, Vicksburg district; published as "Big Bayou Meto near Lonoke."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft higher. Feb. 10 to June 29, 1955 nonrecording gage at present site and datum.

REMARKS.--Records good. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--35 years, 299 ft^3/s, 216,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,750 ft^3/s Dec. 29, 1987, gage height, 27.11 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft^3/s Nov. 27, gage height, 24.00 ft; minimum, 0.28 ft^3/s Aug. 21, gage height, 4.02 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	6.7	2040	776	299	1470	1590	57	251	53	55	33
2	45	6.8	1880	793	289	1340	1690	76	170	66	53	23
3	32	15	1710	758	736	1250	1710	125	152	85	52	34
4	32	10	1530	666	980	1180	1650	129	223	113	40	52
5	33	5.1	1310	537	1060	1230	1510	119	333	105	34	58
6	29	3.5	1090	431	1100	1350	1330	144	432	92	30	52
7	19	3.2	885	347	1160	1440	1120	188	501	77	25	44
8	13	3.1	691	360	1200	1590	874	185	559	67	19	35
9	9.0	3.4	537	336	1160	1680	628	213	580	57	16	29
10	6.5	6.3	436	306	1060	1660	422	228	544	76	14	26
11	5.3	11	340	261	899	1550	294	227	462	84	12	24
12	4.4	11	247	295	685	1380	252	210	343	74	7.6	22
13	3.9	16	181	380	515	1180	222	160	276	65	5.6	20
14	4.8	23	133	615	926	987	189	108	236	158	7.6	81
15	6.2	24	118	786	1130	774	160	84	213	374	12	113
16	5.6	24	95	864	1390	592	133	71	185	550	9.5	80
17	4.9	20	85	896	1660	454	126	59	149	636	8.5	59
18	3.9	62	74	908	1960	359	125	57	119	674	8.5	44
19	2.9	783	70	882	2200	297	108	59	92	663	3.6	30
20	2.2	1340	77	784	2430	282	96	82	67	603	.65	26
21	2.3	1700	75	618	2620	469	92	79	61	519	.50	21
22	2.8	1950	69	477	2520	601	71	72	44	422	3.2	20
23	3.7	2230	73	384	2340	680	65	68	31	375	2.3	16
24	4.5	2440	87	324	2180	729	62	129	27	335	3.1	13
25	4.4	2430	174	266	2030	736	65	230	26	264	8.1	20
26	4.2	2600	236	241	1870	670	70	216	24	201	19	32
27	4.9	2660	278	265	1760	578	65	183	48	146	26	27
28	7.2	2450	501	304	1650	621	49	215	64	94	24	21
29	4.6	2290	552	327	---	1080	42	289	60	68	25	18
30	4.1	2170	632	308	---	1370	46	344	52	66	19	23
31	5.5	---	715	299	---	1500	---	327	---	69	16	---
TOTAL	364.8	25297.1	16921	15794	39809	31079	14856	4733	6324	7231	559.75	1096
MEAN	11.8	843	546	509	1422	1003	495	153	211	233	18.1	36.5
MAX	54	2660	2040	908	2620	1680	1710	344	580	674	55	113
MIN	2.2	3.1	69	241	289	282	42	57	24	53	.50	13
AC-FT	724	50180	33560	31330	78960	61650	29470	9390	12540	14340	1110	2170

CAL YR 1988 TOTAL 125197.43 MEAN 342 MAX 4460 MIN .00 AC-FT 248300
WTR YR 1989 TOTAL 164064.65 MEAN 449 MAX 2660 MIN .50 AC-FT 325400

07265099 BAYOU METO NEAR BAYOU METO, ARK.

LOCATION.--Lat 34°12'07", long 91°31'50", in SE ¼ NE ¼ sec.3, T.6 S., R.5 W., at Arkansas-Jefferson County line, Hydrologic Unit 08020402, at bridge on State Highway 11, 1.6 mi southwest of Bayou Meto.

DRAINAGE AREA.--794 mi².

PERIOD OF RECORD.--April 1974 to September 1983, October 1984 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
04.	1345	9827	9827	83	7.4	22.0	25	4.1	2.1
NOV									
01.	0900	9827	9827	66	7.6	15.0	60	4.3	0.9
DEC									
06.	1030	9827	9827	3860	7.0	8.0	60	5.8	0.9
JAN									
03.	1130	9827	9827	2370	7.5	8.0	90	7.5	1.1
31.	1100	9827	9827	3630	7.4	11.0	50	6.9	0.6
FEB									
28.	1100	9827	9827	--	6.4	6.0	75	9.6	1.5
APR									
04.	1100	9827	9827	4000	7.1	18.0	70	4.0	1.7
MAY									
02.	1015	9827	9827	794	7.4	21.0	120	4.0	2.3
JUN									
20.	1030	9827	9827	2690	7.2	24.0	45	--	1.6
AUG									
01.	1100	9827	9827	649	7.4	30.0	55	4.8	0.9
29.	1100	9827	9827	138	7.9	30.0	15	6.0	1.3
SEP									
05.	1100	9827	9827	331	7.8	28.0	55	6.1	2.7

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
04.	1345	27	13	--	34	0.110	0.100	0.140	0.070
NOV									
01.	0900	32	26	230	37	0.240	0.180	0.170	0.120
DEC									
06.	1030	5.5	9.0	113	--	0.020	0.120	0.220	0.180
JAN									
03.	1130	6.5	11	--	24	0.150	0.050	0.280	0.230
31.	1100	5.5	9.0	--	--	0.100	0.080	0.180	0.150
FEB									
28.	1100	2.5	6.0	121	17	0.100	0.110	0.190	0.140
APR									
04.	1100	3.0	8.0	108	16	0.300	0.060	--	0.230
MAY									
02.	1015	5.8	12	143	90	0.320	0.180	0.380	0.200
JUN									
20.	1030	6.9	9.0	115	--	0.370	0.030	0.250	0.120
AUG									
01.	1100	--	7.0	110	51	0.250	0.090	0.260	0.140
29.	1100	--	28	279	25	0.190	<0.050	0.180	0.100
SEP									
05.	1100	--	15	230	--	0.250	0.090	0.190	0.100

07265099 BAYOU METO NEAR BAYOU METO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
04.	1345	--	<1	--	<1	<0.50	<10	12
NOV								
01.	0900	--	16	19	9	--	110	8.2
DEC								
06.	1030	<1	<1	<15	2	--	<10	8.5
JAN								
03.	1130	<1	2	<15	2	--	--	7.6
31.	1100	<1	<1	25	3	--	10	8.3
FEB								
28.	1100	<1	2	<15	4	--	10	7.2
APR								
04.	1100	<1	2	--	2	--	<10	9.0
MAY								
02.	1015	<1	2	<15	7	--	10	12
JUN								
20.	1030	<1	1	<15	<1	--	20	9.0
AUG								
01.	1100	--	<1	<15	<2	--	10	9.1
29.	1100	<1	<1	<15	<2	--	<10	9.3
SEP								
05.	1100	<1	1	<15	2	<0.40	<10	8.0

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARK.

LOCATION.--Lat 33°59'20", long 91°18'47", in sec.20, T.8 S., R.3 W., Arkansas County, Hydrologic Unit 08020401 2.0 mi downstream from Arkanses Post Canal, and 9.8 mi southeast of Gillett.

DRAINAGE AREA.--160,475 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to May 1981.
WATER TEMPERATURES: November 1979 to May 1981.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
04.	1130	9827	9827	6140	7.3	24.0	3.5	9.5	2.6
NOV									
01.	1030	9827	9827	0.0	7.8	11.0	5.0	9.3	2.1
DEC									
06.	1130	9827	9827	21300	7.0	10.0	40	8.8	1.2
JAN									
03.	1230	9827	9827	32500	7.3	8.0	15	11.6	2.0
31.	1200	9827	9827	83100	7.9	10.0	35	11.6	2.1
FEB									
28.	1215	9827	9827	97300	6.3	6.0	45	12.1	1.0
APR									
04.	1200	9827	9827	102000	7.4	16.0	50	8.3	1.1
MAY									
02.	1115	9827	9827	6000	8.1	20.0	6.2	7.7	1.6
JUN									
20.	1130	9827	9827	136000	7.8	26.0	--	--	1.5
AUG									
01.	1215	9827	9827	15500	7.9	29.0	9.5	7.4	1.3
29.	1215	9827	9827	25400	8.3	31.0	6.0	7.6	1.9
SEP									
05.	1215	9827	9827	31500	8.3	29.0	7.0	7.9	2.3

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
04.	1130	230	120	--	11	0.010	0.030	0.100	0.040
NOV									
01.	1030	--	84	645	12	0.010	0.160	0.110	--
DEC									
06.	1130	57	32	220	--	0.130	0.080	0.140	0.100
JAN									
03.	1230	71	44	--	19	0.160	<0.010	0.110	0.030
31.	1200	55	36	--	--	0.120	0.050	0.120	0.030
FEB									
28.	1215	28	25	70	27	0.340	0.100	0.130	0.070
APR									
04.	1200	25	24	143	37	0.380	0.010	--	0.080
MAY									
02.	1115	110	52	353	10	<0.010	0.050	0.090	<0.010
JUN									
20.	1130	120	41	349	--	0.310	<0.010	0.130	0.010
AUG									
01.	1215	--	55	370	14	0.170	<0.050	0.090	0.030
29.	1215	--	68	442	12	<0.020	<0.050	0.110	0.030
SEP									
05.	1215	--	77	566	--	0.050	0.070	0.090	0.050

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
04.	1130	--	2	--	<1	<0.50	<10	9.3
NOV								
01.	1030	--	<1	19	<1	--	60	7.6
DEC								
06.	1130	<1	1	<15	1	--	--	7.5
JAN								
03.	1230	<1	1	<15	3	--	--	5.0
31.	1200	<1	<1	17	<1	--	10	5.4
FEB								
28.	1215	<1	1	<15	2	--	10	5.6
APR								
04.	1200	<1	<1	--	11	--	20	6.5
MAY								
02.	1115	<1	<1	<15	1	--	<10	5.7
JUN								
20.	1130	<1	1	<15	<1	--	10	6.6
AUG								
01.	1215	--	<1	<15	<2	--	<10	6.1
29.	1215	<1	<1	<15	<2	--	<10	6.5
SEP								
05.	1215	<1	<1	<15	<2	<0.40	<10	5.9

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARK.
(National stream-quality accounting network)

LOCATION.--Lat 33°33'27", long 91°14'15", in sec.18, T.13 S., R.1 W., Chicot County, Hydrologic Unit 08050002, 3.0 mi southwest of Arkansas City, and at mile 554.1.

DRAINAGE AREA.--1,130,600 mi², approximately.

PERIOD OF RECORD.--October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1974 to September 1981.
WATER TEMPERATURES: November 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 12...	0800	80513	80020	428000	440	8.0	18.0	28	8.2	86
FEB 23...	1000	80513	80020	870000	225	7.8	4.0	150	10.4	77
APR 25...	1330	80513	80020	1230000	315	8.0	16.0	35	8.4	84
JUL 26...	1000	80513	80020	170000	372	8.0	26.0	27	7.4	91

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 12...	0800	772	420	72	160	38	16	31	29	1
FEB 23...	1000	761	2200	63	83	23	6.1	9.8	20	0.5
APR 25...	1330	768	K40	170	130	35	10	13	18	0.5
JUL 26...	1000	766	22	86	130	36	10	22	26	0.8

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 12...	0800	3.7	115	0	145	119	22	70	0.30	4.2
FEB 23...	1000	1.9	49	0	60	49	11	28	0.10	5.1
APR 25...	1330	2.6	109	0	134	110	13	38	0.10	5.6
JUL 26...	1000	3.2	100	0	123	101	23	45	0.20	5.2

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT 12...	0800	273	259	0.37	315000	--	<0.010	0.540	0.030	0.010
FEB 23...	1000	126	118	0.17	296000	0.740	0.020	0.760	0.100	0.070
APR 25...	1330	188	189	0.26	624000	1.27	0.030	1.30	0.030	0.030
JUL 26...	1000	216	208	0.29	99100	--	<0.010	0.600	<0.010	0.040

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHOROUS DISSOLVED (MG/L AS P) (00666)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT 12...	0800	0.47	0.50	0.200	0.070	10	2	66	<0.5	<1
FEB 23...	1000	1.0	1.1	0.310	0.040	70	<1	63	<0.5	<1
APR 25...	1330	0.67	0.70	0.150	0.050	40	1	48	<0.5	<1
JUL 26...	1000	--	0.40	0.150	0.050	20	1	53	<0.5	<1

DATE	TIME	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)
OCT 12...	0800	<3	3	21	<5	14	2	0.7	<10	1
FEB 23...	1000	<3	2	110	<5	<4	4	<0.1	<10	2
APR 25...	1330	<3	5	57	<5	4	3	0.3	<10	3
JUL 26...	1000	<3	1	21	1	7	<1	<0.1	<10	<1

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 12...	0800	<1	1.0	220	<6	10	124	143000	80
FEB 23...	1000	<1	<1.0	98	<6	33	307	721000	79
APR 25...	1330	<1	<1.0	130	<6	10	161	535000	69
JUL 26...	1000	<1	<1.0	180	<6	6	127	58300	80

07336860 RED RIVER NEAR FOREMAN, ARK.

LOCATION.--Lat 33°34'12", long 94°24'39", in sec.10, T.14 S., R.32 W., Little River County, Hydrologic Unit 11140106, at bridge on State Highway 41, 10.7 mi south of Foreman.

DRAINAGE AREA.--47,648 mi^2, of which 5,936 mi^2 is probably noncontributing.

PERIOD OF RECORD.--May 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 18.	1045	9827	9827	2660	7.6	22.0	25	8.3	3.4
NOV 15.	1110	9827	9827	2610	--	17.0	15	9.0	2.3
DEC 20.	1100	9827	9827	2630	--	12.0	20	10.6	2.1
JAN 17.	1050	9827	9827	4740	7.4	7.0	35	11.4	1.2
FEB 14.	1040	9827	9827	5130	7.2	10.0	120	9.4	1.7
MAR 21.	1200	9827	9827	7590	7.7	11.0	60	9.7	1.5
APR 18.	1050	9827	9827	7200	8.2	21.0	40	8.8	2.7
MAY 16.	1115	9827	9827	5570	7.8	21.0	400	6.4	3.6
JUN 20.	1130	9827	9827	44300	7.9	26.0	210	--	1.2
JUL 19.	1100	9827	9827	27500	7.8	26.0	320	6.7	2.4
AUG 15.	1030	9827	9827	6220	8.1	26.0	30	7.1	2.2

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	1045	280	--	1020	49	0.020	0.030	0.130	0.040
NOV 15.	1110	270	230	923	44	0.010	0.080	0.110	0.020
DEC 20.	1100	150	120	612	17	0.220	0.020	0.090	0.020
JAN 17.	1050	85	110	432	35	0.160	0.070	0.120	0.050
FEB 14.	1040	140	100	563	173	0.250	0.070	0.200	0.060
MAR 21.	1200	230	250	826	101	0.150	0.230	--	0.040
APR 18.	1050	110	--	788	77	<0.010	<0.010	--	<0.010
MAY 16.	1115	44	51	276	764	0.020	0.080	0.500	0.100
JUN 20.	1130	220	200	742	--	0.130	<0.010	0.200	0.010
JUL 19.	1100	120	100	452	423	0.270	<0.050	0.110	0.030
AUG 15.	1030	140	140	579	63	<0.020	0.110	0.100	<0.030

07336860 RED RIVER NEAR FOREMAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1045	<1	1	<15	1	<0.50	20	9.9
NOV								
15.	1110	<1	<1	18	2	--	<10	6.5
DEC								
20.	1100	<1	<1	<15	6	--	<10	7.3
JAN								
17.	1050	<1	1	<15	5	--	<10	9.4
FEB								
14.	1040	<1	2	<15	3	--	20	8.4
MAR								
21.	1200	<1	--	<15	3	--	--	7.3
APR								
18.	1050	<1	3	<15	1	--	10	8.9
MAY								
16.	1115	<1	11	<15	17	--	40	10
JUN								
20.	1130	<1	3	15	1	--	10	6.7
JUL								
19.	1100	<1	3	38	--	--	10	7.0
AUG								
15.	1030	<1	<1	<15	--	--	<10	8.2

07337000 RED RIVER AT INDEX, ARK.
(National stream-quality accounting network station)

LOCATION.--Lat 33°33'07", long 94°02'28", in NW¼SW¼ sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 mi^2, of which 5,936 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 12,130 ft^3/s, 8,788,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft^3/s Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 ft^3/s Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 70,400 ft^3/s May 20, gage height, 18.62 ft; minimum daily, 1,010 ft^3/s Oct. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	1650	7160	7030	24800	25000	46100	5570	28200	49200	11200	5530
2	1180	1910	6540	7570	23300	21800	40400	4940	24200	48300	11500	5320
3	1130	2890	5130	8090	22600	18800	36800	4310	21100	50100	12100	5180
4	1090	3370	4530	8120	22400	16900	35800	4950	19200	50100	12700	5120
5	1070	3500	4130	7350	19400	18800	35400	7310	25700	49300	12700	5560
6	1050	3610	3850	5120	17100	21300	31700	12100	43300	48400	12700	6170
7	1040	3430	3750	3480	17200	19500	25700	15200	57100	48300	13000	5960
8	1010	3220	3930	2950	19700	17600	21200	15300	60300	49800	13000	5690
9	1030	3130	3370	2750	20800	18500	17200	13500	57000	48600	10800	6060
10	1670	3110	3210	2610	19200	19900	14100	10200	55000	46200	9180	5550
11	2260	3090	3740	2510	15800	20400	12600	8210	55200	40500	8890	4970
12	2450	3300	4060	2600	10800	21300	11700	7080	47400	35300	8360	4650
13	2500	3440	4170	3640	8060	23300	10600	6050	40900	33400	7570	4550
14	2520	3380	4080	4960	8150	23400	9360	4850	46300	32300	7030	4830
15	2520	3220	3860	5840	8780	21700	8930	3390	55900	30500	6850	5870
16	2490	3180	4060	5760	14400	21500	8110	3610	55400	30600	6690	9870
17	2490	3300	4430	5350	24700	22200	6830	9970	45600	33900	7970	18200
18	2570	3300	4130	5580	41200	17900	6770	35700	44100	35800	14200	22500
19	2630	4570	3440	5360	54000	13100	8800	62400	47600	35200	12300	22400
20	2680	8950	2940	4690	58400	11200	7010	66900	49000	32100	10100	21500
21	2690	11800	2780	4220	50500	10300	5460	49900	48600	33300	8590	19400
22	2750	9820	2630	4240	40000	8710	7010	38600	48700	32000	8430	17300
23	3140	6810	2340	4260	36900	7260	8470	36500	49300	29500	8880	14000
24	3390	5000	2120	4180	36000	7580	7160	37700	48900	26000	9150	12800
25	3300	4050	2300	3970	33700	8480	6230	40300	48800	22200	8160	12400
26	3270	9380	2180	4010	31400	8750	5520	40400	48400	18800	7110	12200
27	3290	17000	2420	4690	28800	8870	5070	40800	48100	15100	6600	12100
28	3350	17200	3320	6650	27100	10600	4360	39500	47700	13100	6330	12000
29	2680	12100	3640	15900	---	16700	4290	37000	47200	12300	6220	11900
30	2070	8030	3480	23700	---	40900	4510	36400	47800	11800	6480	12000
31	1830	---	4690	23700	---	52800	---	32700	---	11400	6160	---
TOTAL	68280	170740	116410	200880	734990	575050	453190	731340	1362000	1053600	290950	311580
MEAN	2203	5691	3755	6480	26250	18550	15110	23590	45400	33990	9385	10390
MAX	3390	17200	7160	23700	58400	52800	46100	66900	60300	50100	14200	22500
MIN	1010	1650	2120	2510	8060	7260	4290	3390	19200	11400	6160	4550
AC-FT	135400	338700	230900	398400	1458000	1141000	898900	1451000	2702000	2090000	577100	618000

CAL YR 1988 TOTAL 3629410 MEAN 9916 MAX 50000 MIN 1010 AC-FT 7199000
WTR YR 1989 TOTAL 6069010 MEAN 16630 MAX 66900 MIN 1010 AC-FT 12040000

07337000 RED RIVER AT INDEX, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, April 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 1981.
WATER TEMPERATURE: January to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
26...	1415	80513	80020	4140	1590	8.4	18.0	16	8.8	94
DEC										
28...	1300	80513	80020	3360	920	7.9	10.5	56	9.6	86
FEB										
27...	1415	80513	80020	26500	330	7.8	8.0	130	10.6	91
APR										
04...	1345	80513	80020	35800	354	7.9	18.0	170	7.7	82
JUN										
05...	1245	80513	80020	25500	960	7.9	25.0	130	6.3	78
AUG										
01...	1300	80513	80020	9880	1300	8.2	29.5	45	7.0	93

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT										
26...	1415	756	150	220	410	98	40	190	50	4
DEC										
28...	1300	764	1700	760	240	63	21	91	44	3
FEB										
27...	1415	746	K48	320	87	26	5.4	26	39	1
APR										
04...	1345	755	1100	1900	98	29	6.1	29	38	1
JUN										
05...	1245	752	560	7700	230	58	20	99	48	3
AUG										
01...	1300	756	K8	390	270	72	21	120	49	3

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT										
26...	1415	5.0	121	0	151	124	280	270	0.30	5.0
DEC										
28...	1300	4.2	147	0	183	150	130	140	0.20	6.6
FEB										
27...	1415	2.2	41	0	51	42	34	42	0.10	6.3
APR										
04...	1345	2.6	54	0	68	54	39	48	0.10	6.4
JUN										
05...	1245	3.8	81	0	100	82	150	150	0.20	4.2
AUG										
01...	1300	4.6	122	0	149	122	190	160	0.30	7.6

07337000 RED RIVER AT INDEX, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 26...	1415	993	964	1.35	11100	--	<0.010	<0.100	<0.010	<0.010
DEC 28...	1300	720	546	0.98	6530	--	<0.010	<0.100	0.090	0.070
FEB 27...	1415	183	168	0.25	13100	0.170	0.010	0.180	0.080	0.080
APR 04...	1345	215	195	0.29	20800	0.160	0.010	0.170	0.110	0.040
JUN 05...	1245	541	536	0.74	37200	--	<0.010	0.170	0.030	0.030
AUG 01...	1300	689	650	0.94	18400	--	<0.010	<0.100	<0.010	<0.010

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT 26...	1415	--	0.40	0.040	0.010	40	2	210	<0.5	<1
DEC 28...	1300	1.2	1.3	0.100	0.040	--	--	--	--	--
FEB 27...	1415	0.52	0.60	0.260	0.030	80	1	57	<0.5	<1
APR 04...	1345	0.79	0.90	0.190	0.040	--	--	--	--	--
JUN 05...	1245	0.67	0.70	0.100	0.030	30	<1	140	<0.5	<1
AUG 01...	1300	--	0.40	0.020	0.060	20	2	140	<0.5	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
OCT 26...	1415	<3	1	23	<5	23	27	<0.1	<10	2
FEB 27...	1415	<3	3	130	<5	5	7	0.2	<10	<1
JUN 05...	1245	<3	3	36	2	11	2	<0.1	<10	2
AUG 01...	1300	<3	4	26	1	14	27	<0.1	<10	4

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 26...	1415	3	<1.0	1200	<6	11	42	469	78
DEC 28...	1300	--	--	--	--	--	120	1090	98
FEB 27...	1415	<1	<1.0	180	<6	14	577	41300	57
APR 04...	1345	--	--	--	--	--	640	1900	87
JUN 05...	1245	<1	<1.0	640	<6	5	523	6000	94
AUG 01...	1300	<1	<1.0	750	<6	10	147	3920	90

07338720 MOUNTAIN FORK NEAR HATFIELD, ARK.

LOCATION.--Lat 34°30'12", long 94°25'50", in NE ¼ NE ¼ sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108, at bridge on State Highway 246, 3.1 mi northeast of Hatfield.

PERIOD OF RECORD.--October 1968 to April 1974, November 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 11.	1225	9827	9827	0.90	7.8	17.0	5.0	--	1.6
NOV 08.	1310	9827	9827	0.80	7.8	16.0	4.0	9.4	1.3
DEC 13.	1145	9827	9827	102	7.4	7.0	20	11.8	0.6
JAN 10.	1300	9827	9827	--	8.0	5.0	15	12.1	0.6
FEB 07.	1305	9827	9827	283	7.2	4.0	7.5	--	0.7
MAR 14.	1200	9827	9827	--	6.8	15.0	7.0	9.6	0.7
APR 11.	1230	9827	9827	48	7.4	14.0	5.5	10.8	1.1
MAY 09.	1140	9827	9827	583	7.2	19.0	30	8.4	1.4
JUN 13.	1225	9827	9827	--	7.3	22.0	70	7.8	2.2
JUL 11.	1310	9827	9827	12	7.5	29.0	5.0	8.7	1.9
AUG 08.	1250	9827	9827	35	7.8	25.0	6.0	8.6	1.3
SEP 12.	1230	9827	9827	10	7.5	25.0	4.5	8.6	2.1

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 11.	1225	3.0	1.0	--	4	0.030	0.050	0.050	0.050
NOV 08.	1310	3.0	7.0	27	3	0.030	0.010	0.060	0.050
DEC 13.	1145	3.0	5.0	37	7	0.190	0.130	0.050	0.020
JAN 10.	1300	2.5	4.0	37	5	0.180	0.040	0.030	0.060
FEB 07.	1305	1.5	3.0	23	3	0.230	0.050	0.010	0.010
MAR 14.	1200	1.5	3.0	27	3	0.080	0.080	0.020	0.020
APR 11.	1230	2.5	8.0	40	3	0.020	0.010	0.040	0.020
MAY 09.	1140	2.3	5.0	39	25	0.060	0.170	0.030	0.030
JUN 13.	1225	3.2	--	46	79	0.110	0.010	--	0.010
JUL 11.	1310	4.0	--	36	4	<0.020	<0.050	0.040	<0.030
AUG 08.	1250	--	--	48	5	<0.020	<0.050	0.050	<0.030
SEP 12.	1230	3.5	3.0	36	5	0.040	0.090	0.050	--

07338720 MOUNTAIN FORK NEAR HATFIELD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
11.	1225	2	<1	18	<1	<0.50	<10	--
NOV								
08.	1310	--	1	--	--	--	<10	4.7
DEC								
13.	1145	--	12	<15	9	--	<10	3.9
JAN								
10.	1300	--	--	<15	1	--	10	2.5
FEB								
07.	1305	3	<1	<15	<1	--	<10	2.1
MAR								
14.	1200	--	3	<15	<1	--	10	2.1
APR								
11.	1230	5	1	--	3	--	<10	2.3
MAY								
09.	1140	4	2	<15	3	--	30	5.2
JUN								
13.	1225	1	2	27	2	--	<10	5.0
JUL								
11.	1310	<1	<1	<15	2	--	30	3.3
AUG								
08.	1250	6	<1	--	<2	--	<10	2.3
SEP								
12.	1230	<1	<1	<15	<2	<0.40	<10	3.4

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.

LOCATION.--Lat 34°05'53", long 94°22'51", in SW ¼ NW ¼ sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam on Rolling Fork about 4.2 mi northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
04...	0800	80513	80020	0.0	35	6.8	23.5	7.5	1.70
04...	0801	80513	80020	10.0	34	6.7	23.5	6.9	--
04...	0802	80513	80020	20.0	35	6.7	23.5	6.8	--
04...	0803	80513	80020	26.0	42	6.3	22.5	0.7	--
04...	0804	80513	80020	27.0	56	6.4	21.5	0.5	--
04...	0805	80513	80020	28.0	59	6.4	20.5	0.4	--
04...	0806	80513	80020	30.0	55	6.4	19.5	0.2	--
04...	0807	80513	80020	32.0	55	6.5	18.5	0.2	--
04...	0808	80513	80020	35.0	55	6.5	17.5	0.2	--
04...	0809	80513	80020	37.0	55	6.5	16.5	0.2	--
04...	0810	80513	80020	40.0	57	6.5	15.5	0.2	--
04...	0811	80513	80020	50.0	60	6.6	14.5	0.2	--
04...	0812	80513	80020	55.0	65	6.6	14.5	0.2	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV									
22...	0915	80513	80020	0.0	33	7.0	13.5	8.8	0.79
22...	0916	80513	80020	10.0	33	6.9	13.5	8.6	--
22...	0917	80513	80020	20.0	33	6.9	13.5	8.4	--
22...	0918	80513	80020	30.0	29	6.9	13.5	8.6	--
22...	0919	80513	80020	40.0	26	6.8	13.0	8.8	--
22...	0920	80513	80020	50.0	26	6.7	13.0	8.8	--
22...	0921	80513	80020	60.0	27	6.7	13.0	8.8	--
22...	0922	80513	80020	67.0	28	6.7	12.5	8.7	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC									
06...	0830	80513	80020	0.0	30	6.6	11.5	9.5	0.94
06...	0831	80513	80020	10.0	30	6.7	11.5	9.1	--
06...	0832	80513	80020	20.0	30	6.7	11.5	8.9	--
06...	0833	80513	80020	30.0	30	6.7	11.5	8.8	--
06...	0834	80513	80020	40.0	28	6.7	11.5	8.4	--
06...	0835	80513	80020	50.0	27	6.6	11.0	8.2	--
06...	0836	80513	80020	60.0	26	6.6	10.0	8.2	--
06...	0837	80513	80020	69.0	26	6.5	9.5	8.1	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
10.	1400	80513	80020	0.0	31	6.9	8.5	11.0	1.50	4
10.	1401	80513	81213	3.00	31	6.9	8.5	10.7	--	--
10.	1403	80513	80020	10.0	31	6.9	3.5	10.5	--	--
10.	1405	80513	80020	11.0	31	6.9	8.5	10.4	--	--
10.	1406	80513	80020	20.0	30	6.8	8.5	10.3	--	--
10.	1407	80513	80020	30.0	30	6.8	8.0	10.3	--	--
10.	1408	80513	80020	40.0	30	6.8	8.0	10.2	--	--
10.	1412	80513	81213	45.0	29	6.7	8.0	9.7	--	--
10.	1413	80513	80020	50.0	29	6.6	7.5	9.3	--	--
10.	1414	80513	80020	57.0	29	6.6	7.5	9.1	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
10.	1405	20	4.6	1.4	9	2.3	0.90	10	3.5
10.	1412	20	6.2	1.2	9	2.1	0.80	9	3.6

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JAN									
10.	1401	--	0.180	0.030	<0.010	--	--	--	--
10.	1405	1.7	0.160	0.020	<0.010	100	<1	<10	2
10.	1412	1.7	0.180	0.030	<0.010	100	<1	<10	3

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
10.	1401	--	--	--	--	--	--	3.80	<0.100
10.	1405	220	<5	20	<0.10	3	<10	3.80	<0.100
10.	1412	350	<5	30	0.10	3	<10	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
FEB									
01...	1450	80513	80020	0.0	33	6.7	10.0	11.8	1.30
01...	1451	80513	80020	10.0	33	6.7	10.0	11.4	--
01...	1452	80513	80020	20.0	33	6.7	10.0	11.0	--
01...	1453	80513	80020	30.0	34	6.7	9.0	10.8	--
01...	1454	80513	80020	40.0	35	6.6	8.0	10.3	--
01...	1455	80513	80020	50.0	34	6.7	7.5	10.0	--
01...	1456	80513	80020	60.0	34	6.6	7.5	9.9	--
01...	1457	80513	80020	70.0	33	6.6	7.5	9.8	--
01...	1458	80513	80020	73.0	35	6.6	7.5	9.6	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
MAR									
20...	1630	80513	80020	0.0	28	6.5	12.5	11.8	1.30
20...	1631	80513	80020	10.0	27	6.8	12.5	11.3	--
20...	1632	80513	80020	20.0	27	6.8	12.0	11.0	--
20...	1633	80513	80020	22.0	27	6.7	11.0	10.6	--
20...	1634	80513	80020	23.0	27	6.6	10.0	10.1	--
20...	1635	80513	80020	25.0	28	6.6	9.0	10.2	--
20...	1636	80513	80020	30.0	27	6.5	8.0	10.1	--
20...	1637	80513	80020	40.0	27	6.5	7.5	10.0	--
20...	1638	80513	80020	50.0	27	6.4	7.5	9.9	--
20...	1639	80513	80020	56.0	27	6.4	7.5	9.9	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
APR									
18...	0810	80513	80020	0.0	32	7.4	18.5	10.5	2.10
18...	0811	80513	80020	10.0	30	7.7	17.0	10.7	--
18...	0812	80513	80020	15.0	30	7.4	16.0	10.0	--
18...	0813	80513	80020	20.0	30	7.2	15.5	9.2	--
18...	0814	80513	80020	30.0	32	6.9	15.0	7.8	--
18...	0815	80513	80020	35.0	30	6.5	14.0	7.0	--
18...	0816	80513	80020	37.0	30	6.4	13.0	7.1	--
18...	0817	80513	80020	40.0	31	6.3	12.5	7.1	--
18...	0818	80513	80020	47.0	30	6.2	11.5	6.9	--
18...	0819	80513	80020	50.0	33	6.3	11.0	6.8	--
18...	0820	80513	80020	54.0	33	6.2	10.5	6.6	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY										
10.	0730	80513	80020	0.0	32	7.4	21.0	10.3	1.80	0
10.	0731	80513	80020	3.00	32	7.3	21.0	10.0	--	--
10.	0733	80513	80020	10.0	32	7.3	21.0	9.9	--	--
10.	0735	80513	81213	12.0	32	7.3	21.0	9.8	--	--
10.	0736	80513	80020	18.0	33	7.0	20.0	8.6	--	--
10.	0737	80513	80020	19.0	32	6.7	19.0	6.9	--	--
10.	0738	80513	80020	20.0	34	6.6	18.0	6.3	--	--
10.	0739	80513	80020	21.0	31	6.6	16.5	6.7	--	--
10.	0740	80513	80020	24.0	31	6.5	15.5	6.7	--	--
10.	0741	80513	80020	30.0	32	6.4	14.5	5.5	--	--
10.	0742	80513	80020	35.0	33	6.4	13.5	5.0	--	--
10.	0743	80513	80020	40.0	33	6.4	13.0	4.7	--	--
10.	0745	80513	81213	48.0	43	6.4	12.5	4.3	--	--
10.	0746	80513	80020	50.0	34	6.3	12.5	4.3	--	--
10.	0747	80513	80020	60.0	35	6.3	11.5	3.4	--	--
10.	0748	80513	80020	66.0	38	6.3	10.5	1.4	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY									
10.	0735	<5	2.1	1.7	12	2.0	1.6	8	3.6
10.	0745	5	4.6	0.9	13	2.1	1.8	9	3.7

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
MAY									
10.	0731	--	<0.020	0.020	0.020	--	--	--	--
10.	0735	1.8	<0.020	0.040	0.020	70	<1	<10	2
10.	0745	2.0	0.140	0.030	0.030	100	<1	<10	2

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
10.	0731	--	--	--	--	--	--	6.30	0.200
10.	0735	90	<5	10	<0.10	3	<10	--	--
10.	0745	480	<5	250	<0.10	3	<10	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN									
20...	1600	80513	80020	0.0	35	7.0	30.5	8.6	1.70
20...	1601	80513	80020	2.00	35	7.4	29.5	8.8	--
20...	1602	80513	80020	3.00	34	7.6	28.5	8.8	--
20...	1603	80513	80020	7.00	35	7.5	27.5	7.7	--
20...	1604	80513	80020	10.0	34	7.4	26.5	8.1	--
20...	1605	80513	80020	14.0	34	6.8	25.5	6.6	--
20...	1606	80513	80020	18.0	36	6.4	24.5	3.6	--
20...	1607	80513	80020	20.0	36	6.1	24.0	2.7	--
20...	1608	80513	80020	26.0	35	5.9	23.0	1.9	--
20...	1609	80513	80020	30.0	36	5.9	22.5	2.1	--
20...	1610	80513	80020	40.0	37	5.9	21.5	1.9	--
20...	1611	80513	80020	50.0	37	5.9	21.0	1.3	--
20...	1612	80513	80020	56.0	38	5.8	20.5	0.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL									
18...	1025	80513	80020	0.0	35	6.5	27.5	7.4	1.80
18...	1026	80513	80020	10.0	34	6.5	27.5	7.1	--
18...	1027	80513	80020	15.0	38	6.1	26.5	1.3	--
18...	1028	80513	80020	17.0	37	5.8	25.5	0.4	--
18...	1029	80513	80020	20.0	39	5.8	24.5	1.2	--
18...	1030	80513	80020	25.0	39	5.8	23.5	0.3	--
18...	1031	80513	80020	30.0	38	5.8	23.0	0.2	--
18...	1032	80513	80020	40.0	38	5.8	22.0	0.2	--
18...	1033	80513	80020	50.0	46	5.9	21.0	0.1	--
18...	1034	80513	80020	60.0	53	6.0	20.0	0.2	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
AUG										
23.	0815	80513	80020	0.0	38	7.8	30.0	8.5	1.80	5
23.	0816	80513	80020	3.00	38	7.9	30.0	8.7	--	--
23.	0819	80513	80020	10.0	37	8.0	29.5	8.8	--	--
23.	0820	80513	81213	11.0	37	8.0	29.0	8.7	--	--
23.	0821	80513	80020	14.0	37	6.9	28.0	6.5	--	--
23.	0822	80513	80020	17.0	38	6.3	27.0	1.8	--	--
23.	0823	80513	80020	20.0	38	5.9	26.5	0.2	--	--
23.	0824	80513	80020	23.0	41	5.8	25.5	0.2	--	--
23.	0825	80513	80020	26.0	40	5.8	24.5	0.1	--	--
23.	0826	80513	80020	30.0	39	5.7	23.5	0.1	--	--
23.	0827	80513	80020	40.0	45	5.8	22.5	0.1	--	--
23.	0830	80513	81213	43.0	46	5.8	22.5	0.1	--	--
23.	0831	80513	80020	50.0	49	5.9	22.0	0.1	--	--
23.	0832	80513	80020	54.0	57	5.9	21.0	0.1	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
AUG									
23.	0820	5	1.2	1.9	10	2.5	1.0	11	2.9
23.	0830	30	5.4	1.3	11	2.7	1.1	13	2.5

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
AUG									
23.	0816	--	<0.020	<0.020	0.010	--	--	--	--
23.	0820	1.7	<0.020	0.020	0.010	40	<1	<10	5
23.	0830	1.5	<0.020	0.050	0.040	100	2	<10	3

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
23.	0816	--	--	--	--	--	--	2.50	<0.100
23.	0820	60	<1	20	0.20	1	10	--	--
23.	0830	1600	<1	460	0.10	1	<10	--	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
05...	1820	80513	80020	0.0	39	8.1	30.0	8.9	1.40
05...	1821	80513	80020	10.0	38	8.1	29.5	8.5	--
05...	1822	80513	80020	15.0	38	6.2	28.5	2.7	--
05...	1823	80513	80020	16.0	37	5.9	28.0	0.4	--
05...	1824	80513	80020	18.0	38	6.0	27.0	0.2	--
05...	1825	80513	80020	20.0	41	5.8	26.0	0.2	--
05...	1826	80513	80020	23.0	45	5.8	25.0	0.2	--
05...	1827	80513	80020	26.0	45	5.8	24.0	0.2	--
05...	1828	80513	80020	30.0	46	5.8	23.5	0.2	--
05...	1829	80513	80020	36.0	48	5.9	22.5	0.1	--
05...	1830	80513	80020	40.0	53	5.9	22.0	0.1	--
05...	1831	80513	80020	46.0	56	6.0	22.0	0.1	--

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, ARK.

LOCATION.--Lat 34°05'51", long 94°22'50", in SW ¼ NW ¼ sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam about 4.2 mi northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 04...	0730	80513	80020	35	6.9	22.0	8.8	--	--	--	--
NOV 22...	0900	80513	80020	29	7.0	13.0	12.2	--	--	--	--
DEC 06...	0900	80513	80020	29	6.7	11.0	12.2	--	--	--	--
JAN 10...	1330	80513	81213	30	6.9	8.0	12.4	6	20	5.4	1.6
FEB 01...	1435	80513	80020	35	6.6	8.5	12.5	--	--	--	--
MAR 20...	1615	80513	80020	27	6.6	12.5	11.0	--	--	--	--
APR 18...	0845	80513	80020	30	7.0	17.0	10.2	--	--	--	--
MAY 10...	0715	80513	81213	34	6.6	16.0	10.6	0	5	4.4	1.8
JUN 20...	1540	80513	80020	38	6.0	22.5	8.6	--	--	--	--
JUL 18...	1050	80513	80020	45	6.1	24.0	8.1	--	--	--	--
AUG 23...	0900	80513	81213	38	6.4	28.5	7.6	0	5	3.2	2.3
SEP 05...	1800	80513	80020	40	6.6	29.5	8.0	--	--	--	--

DATE	TIME	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)
JAN 10...	1330	9	2.2	0.80	9	3.6	1.7	0.180	0.020	<0.010	100
MAY 10...	0715	12	2.2	1.7	9	3.6	1.9	0.080	0.030	0.030	100
AUG 23...	0900	11	2.7	1.1	12	2.9	1.7	0.020	0.030	0.010	20

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JAN 10...	1330	<1	<10	6	260	<5	40	<0.10	4	<10
MAY 10...	0715	<1	<10	2	480	<5	190	<0.10	3	<10
AUG 23...	0900	1	<10	2	600	<1	110	0.20	<1	10

07339795 BEAR CREEK NEAR HORATIO, ARK.

LOCATION.--Lat 33°59'10", long 94°23'01", in NW ¼ SE ¼ sec.14, T.9 N., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on county road, 5.5 mi south of DeQueen, and 4.3 mi northwest of State Highway 41.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 18...	0950	9827	9827	7.2	20.0	25	1.3	--	63
NOV 15...	1015	9827	9827	--	15.0	25	5.8	7.4	14
DEC 20...	0950	9827	9827	--	10.0	10	9.4	2.5	10
JAN 17...	0945	9827	9827	7.3	5.0	20	10.4	5.1	9.5
FEB 14...	0930	9827	9827	7.1	11.0	30	9.1	3.3	7.0
MAR 21...	0940	9827	9827	7.2	11.0	10	8.2	3.5	5.5
APR 18...	1000	9827	9827	7.0	18.0	15	7.0	2.5	7.0
MAY 16...	1010	9827	9827	7.2	19.0	55	5.0	--	9.9
JUN 20...	1030	9827	9827	7.1	22.0	20	--	1.6	3.3
JUL 19...	1000	9827	9827	6.9	22.0	70	6.7	2.8	3.5
AUG 15...	0930	9827	9827	7.1	23.0	20	4.9	5.2	19
SEP 19...	1230	9827	9827	7.2	20.0	20	5.9	3.9	29

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT 18...	0950	--	320	39	3.20	4.20	0.30	4.5	8.30
NOV 15...	1015	9.0	92	14	1.20	0.050	0.85	0.90	1.40
DEC 20...	0950	10	76	8	0.910	1.60	0.0	1.5	0.740
JAN 17...	0945	13	99	11	0.580	2.60	0.0	2.2	0.770
FEB 14...	0930	9.0	76	32	0.380	0.840	0.0	0.80	0.300
MAR 21...	0940	12	71	10	0.790	0.850	0.0	0.70	--
APR 18...	1000	--	69	7	1.00	0.080	0.62	0.70	--
MAY 16...	1010	10	99	92	1.60	3.10	--	--	0.990
JUN 20...	1030	5.0	51	--	0.270	<0.010	--	0.50	0.130
JUL 19...	1000	7.0	72	94	0.120	0.100	0.90	1.0	0.150
AUG 15...	0930	12	131	19	1.90	0.130	1.5	1.6	1.95
SEP 19...	1230	14	147	22	0.690	<0.050	--	1.7	2.90

07339795 BEAR CREEK NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	0950	6.90	<1	<1	<15	7	<0.50	30	37
NOV									
15...	1015	1.00	<1	<1	18	3	--	30	12
DEC									
20...	0950	0.580	<1	<1	<15	5	--	<10	6.3
JAN									
17...	0945	0.670	<1	<1	<15	2	--	20	8.0
FEB									
14...	0930	0.170	<1	1	<15	2	--	10	7.1
MAR									
21...	0940	0.170	<1	--	<15	1	--	--	5.5
APR									
18...	1000	0.070	<1	1	<15	1	--	10	5.5
MAY									
16...	1010	0.810	<1	<1	<15	2	--	<10	7.1
JUN									
20...	1030	0.020	<1	3	<15	3	--	20	4.2
JUL									
19...	1000	0.050	<1	1	<15	5	--	10	12
AUG									
15...	0930	1.54	<1	<1	<15	--	--	<10	12
SEP									
19...	1230	2.08	1	4	<15	--	<0.40	--	14

07340000 LITTLE RIVER NEAR HORATIO, ARK

LOCATION.--Lat 33°55'10", long 94°23'15", in NE¼ sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1934, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity, 1,368,000 acre-ft, and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity, 465,800 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--59 years, 3,797 ft^3/s, 2,751,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s Mar. 30, 1945, gage height, 37.70 ft, from rating curve extended above 93,000 ft^3/s; minimum, 1.0 ft^3/s Aug. 18 to Sept. 1, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,800 ft^3/s May 18, gage height, 25.37 ft; minimum daily, 226 ft^3/s Oct. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	403	6630	4040	9920	15200	8710	2180	12300	1210	2310	327
2	305	384	6980	3640	11800	15300	9110	2060	13100	990	2420	362
3	286	381	6730	5070	15400	15800	9840	3720	11600	2420	2160	395
4	260	369	4350	5310	14200	15900	10800	5380	12700	3120	1700	1500
5	260	335	4200	5420	12600	15800	11900	9140	16300	1720	1760	1430
6	256	315	4980	6050	13500	12600	10300	10300	10500	1310	864	660
7	242	297	4860	5160	14000	12200	8860	8380	6900	1350	785	1110
8	236	280	3570	2510	13100	13700	6260	5900	11800	1840	1310	1430
9	265	280	3490	2010	12400	13000	2450	6060	11900	1120	920	1400
10	258	274	3790	4850	8730	12200	1360	6230	9040	698	799	1110
11	243	259	1640	3890	5890	11000	3090	5770	7700	856	718	1030
12	238	300	1340	4310	3410	9560	2350	5570	7900	713	573	1570
13	249	534	1930	3140	2500	8310	1170	3890	12000	1600	495	1340
14	240	559	2260	4020	5760	8790	1600	1700	17300	1570	443	1550
15	259	569	2270	4740	10300	6960	1380	1200	15500	1550	568	1570
16	266	689	2230	5090	15300	6610	950	3870	12300	3630	485	1910
17	257	636	2060	4450	17700	6080	842	11100	9370	2850	1590	1890
18	238	638	1210	3690	20400	5030	2820	21500	7670	4260	1670	1790
19	226	3930	930	3860	19000	1890	3270	20400	8000	5850	1210	1720
20	254	12000	1560	3820	13400	1480	2550	15400	9090	6170	862	1550
21	283	9450	1220	2880	9780	4140	2570	10300	9070	5370	660	818
22	281	4390	1080	1660	11700	2240	2810	8820	8650	6100	552	575
23	294	3770	1070	1380	12800	1860	2220	9190	8180	5510	477	536
24	290	3560	1520	1920	13200	1670	1960	11300	7010	5880	435	520
25	278	3280	1800	2430	14400	1910	2120	13200	3150	6770	406	508
26	279	7870	1500	3860	15100	1470	1680	13900	2510	5480	385	500
27	319	14100	1450	8970	15300	4310	1390	14900	4120	4940	372	493
28	333	10400	4120	9190	15300	4360	916	16000	2720	4310	362	489
29	347	7320	6780	11200	---	8860	827	11700	1910	3450	350	514
30	417	6850	6300	10700	---	12600	3010	8800	1370	2160	341	566
31	439	---	5860	8650	---	9130	---	10500	---	2300	334	---
TOTAL	8698	94422	99710	147710	346890	259960	119115	278360	271660	97097	28316	31163
MEAN	281	3147	3216	4765	12390	8386	3970	8979	9055	3132	913	1039
MAX	439	14100	6980	11200	20400	15900	11900	21500	17300	6770	2420	1910
MIN	226	259	930	1380	2500	1470	827	1200	1370	698	334	327
AC-FT	17250	187300	197800	293000	688100	515600	236300	552100	538800	192600	56160	61810

CAL YR 1988 TOTAL 1108765 MEAN 3029 MAX 15500 MIN 226 AC-FT 2199000
WTR YR 1989 TOTAL 1783101 MEAN 4885 MAX 21500 MIN 226 AC-FT 3537000

07340000 LITTLE RIVER NEAR HORATIO, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1969-78, October 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1953 to September 1959.
WATER TEMPERATURES: October 1953 to September 1959.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 18.	1000	9827	9827	241	6.9	20.0	4.0	8.7	0.8
NOV 15.	1030	9827	9827	523	--	16.0	10	8.0	1.2
DEC 20.	1010	9827	9827	2000	--	10.0	20	10.6	0.6
JAN 17.	1000	9827	9827	4850	7.3	7.0	10	11.4	1.0
FEB 14.	0945	9827	9827	6310	6.9	10.0	15	10.7	0.7
MAR 21.	1015	9827	9827	4820	7.2	9.0	8.5	10.9	0.7
APR 18.	1015	9827	9827	3460	7.4	17.0	9.0	9.0	0.6
MAY 16.	1030	9827	9827	3660	7.4	20.0	20	8.0	1.0
JUN 20.	1050	9827	9827	9760	7.0	22.0	25	--	0.6
JUL 19.	1025	9827	9827	6590	7.1	25.0	35	6.5	1.6
AUG 15.	0950	9827	9827	630	7.3	25.0	6.0	7.0	1.1
SEP 19.	1315	9827	9827	1710	7.4	29.0	10	7.7	1.2

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	1000	21	--	100	1	0.060	0.050	0.100	0.100
NOV 15.	1030	15	6.0	62	6	0.090	0.040	0.110	0.090
DEC 20.	1010	6.5	6.0	54	9	0.230	0.060	0.080	0.050
JAN 17.	1000	4.0	5.0	54	6	0.170	0.090	0.060	0.040
FEB 14.	0945	4.5	5.0	63	19	0.210	0.070	0.070	0.040
MAR 21.	1015	2.5	5.0	40	11	0.190	0.070	--	0.020
APR 18.	1015	4.5	--	39	7	0.040	<0.010	--	<0.010
MAY 16.	1030	5.2	5.0	56	17	0.200	0.040	0.080	0.090
JUN 20.	1050	2.1	4.0	42	--	0.100	<0.010	0.070	0.020
JUL 19.	1025	5.8	6.0	74	52	0.160	<0.050	0.100	0.040
AUG 15.	0950	14	5.0	73	4	0.150	<0.050	0.060	<0.030
SEP 19.	1315	6.2	4.0	47	12	0.160	<0.050	0.090	<0.030

07340000 LITTLE RIVER NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 18.	1000	<1	1	<15	1	<0.50	10	4.3
NOV 15.	1030	<1	<1	<15	<1	--	30	4.6
DEC 20.	1010	<1	2	15	12	--	<10	4.6
JAN 17.	1000	<1	1	<15	2	--	<10	3.2
FEB 14.	0945	<1	<1	<15	12	--	40	3.7
MAR 21.	1015	<1	--	<15	2	--	--	3.3
APR 18.	1015	<1	<1	<15	<1	--	50	3.3
MAY 16.	1030	<1	<1	<15	1	--	<10	4.1
JUN 20.	1050	1	<1	<15	5	--	30	5.6
JUL 19.	1025	1	6	38	--	--	50	7.9
AUG 15.	0950	<1	<1	<15	--	--	<10	4.4
SEP 19.	1315	<1	2	<15	--	<0.40	--	4.8

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.

(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE¼NE¼ sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 246, 0.3 mi downstream from Brushy Creek, 3.2 mi upstream from Flat Creek, and 7.5 mi east of Vandervoort.

DRAINAGE AREA.--89.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--22 years, 195 ft^3/s, 29.55 in/yr, 141,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft^3/s Dec. 2, 1982, gage height, 19.50 ft, from rating curve extended above 11,000 ft^3/s on basis of step-backwater computations, minimum, 7.2 ft^3/s Aug. 28, 29, 30, 31, 1972, gage height, 1.67 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 19	1815	*7,870	*11.18	Jan. 26	0400	6,000	a10.1
Nov. 26	0015	6,280	10.27				

a from highwater mark.

Minimum discharge, 9.6 ft^3/s Nov. 8, 9, gage height, 2.04 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	18	138	e170	235	187	e300	345	e120	e100	116	e45
2	18	17	110	e150	187	177	e220	e520	126	e110	e95	e35
3	14	17	e100	137	e190	170	e180	e540	e190	124	e85	e30
4	12	16	e85	118	e210	e180	168	e510	397	e140	e70	e25
5	12	16	69	120	e230	e210	e160	e430	e530	e140	e65	e25
6	12	15	61	153	243	e260	e160	349	e500	e150	e55	e20
7	12	15	63	e140	190	320	e150	e270	e390	e160	e50	e20
8	13	12	80	e130	149	273	e150	e210	264	e170	e45	e20
9	14	9.8	75	123	130	267	e150	e170	e190	e190	e45	e20
10	13	30	e75	120	124	248	e140	e150	e160	e220	e40	e20
11	13	27	e75	121	130	e220	e140	157	e160	e260	e40	29
12	12	229	72	132	146	e200	e140	e180	e160	e320	e35	e25
13	11	167	70	310	198	175	e140	e220	172	410	e35	e25
14	11	88	67	e280	560	149	e140	e270	e170	e530	e35	e30
15	11	61	61	e240	e2700	129	e130	e330	e160	e660	e30	e25
16	11	47	54	e200	e1700	111	e120	420	e130	687	e30	e25
17	11	38	50	170	901	105	e110	e1400	94	e700	e30	e20
18	11	507	e45	147	e910	e100	e110	e1500	e75	808	e30	e20
19	11	2850	46	130	e860	e100	e100	884	63	1430	e25	e20
20	21	1290	47	118	e720	111	e100	e670	e55	e840	e25	e20
21	34	437	47	e110	526	151	94	e510	e50	e520	e25	e20
22	18	247	46	e95	397	135	e80	e380	e50	e400	e25	e20
23	86	166	e160	86	290	123	e70	e280	e45	e300	e25	e20
24	76	128	e180	80	235	110	e65	203	e45	e370	e25	e15
25	38	350	e130	853	e200	e85	66	161	e50	e270	e20	e15
26	27	2830	e100	2890	e180	118	e70	e210	e50	e220	e20	e15
27	22	783	e240	730	210	1220	e80	e430	e55	e170	e20	e15
28	22	386	e740	e560	212	1020	e95	716	e65	e130	e20	e15
29	21	251	e450	e780	---	2250	e120	383	e70	e100	e30	e15
30	20	179	e270	e510	---	942	e190	e190	e85	e80	e25	e15
31	19	---	e200	329	---	e480	---	e140	---	e95	e90	---
TOTAL	652	11226.8	4006	10232	12963	10326	3938	13128	4671	10804	1306	664
MEAN	21.0	374	129	330	463	333	131	423	156	349	42.1	22.1
MAX	86	2850	740	2890	2700	2250	300	1500	530	1430	116	45
MIN	11	9.8	45	80	124	85	65	140	45	80	20	15
AC-FT	1290	22270	7950	20300	25710	20480	7810	26040	9260	21430	2590	1320
CFSM	.23	4.18	1.44	3.68	5.17	3.72	1.47	4.73	1.74	3.89	.47	.25
IN.	.27	4.66	1.66	4.25	5.38	4.29	1.63	5.45	1.94	4.49	.54	.28

CAL YR 1988 TOTAL 47321.5 MEAN 129 MAX 2850 MIN 9.7 AC-FT 93860 CFSM 1.44 IN. 19.65
WTR YR 1989 TOTAL 83916.8 MEAN 230 MAX 2890 MIN 9.8 AC-FT 166400 CFSM 2.57 IN. 34.84

e Estimated

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.--CONTINUED
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1986 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT 26.	1030	80513	80020	64	52	7.3	14.5	4.2	9.5	96	743
DEC 28.	0945	80513	80020	771	25	6.7	7.0	6.3	11.2	94	750
FEB 27.	1130	80513	80020	175	33	7.0	9.5	1.5	10.2	93	734
APR 04.	1030	80513	80020	155	30	6.9	16.0	1.2	8.8	92	740
JUN 05.	0930	80513	80020	459	26	8.2	18.0	4.9	8.5	93	738
AUG 01.	1015	80513	80020	120	36	7.1	22.0	2.7	8.2	96	743

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
OCT 26.	1030	28	97	19	5.3	1.5	1.9	17	0.2	0.90	17
DEC 28.	0945	57	330	7	1.5	0.71	1.4	29	0.2	0.70	6
FEB 27.	1130	20	26	9	2.1	0.89	1.6	26	0.2	0.60	9
APR 04.	1030	65	K1800	9	2.1	0.90	1.6	26	0.2	0.70	8
JUN 05.	0930	K120	K1200	8	1.8	0.80	1.5	28	0.2	0.60	6
AUG 01.	1015	80	K1700	12	3.1	1.1	2.0	25	0.2	0.70	12

DATE	TIME	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT 26.	1030	0	20	16	1.8	6.4	<0.10	7.2	41	35	0.06
DEC 28.	0945	0	5	4	1.3	6.6	0.10	7.9	35	23	0.05
FEB 27.	1130	0	8	6	1.3	3.9	0.10	7.9	21	22	0.03
APR 04.	1030	0	9	8	1.3	4.0	<0.10	8.2	23	23	0.03
JUN 05.	0930	0	7	5	1.2	3.0	<0.10	8.7	18	21	0.02
AUG 01.	1015	0	12	10	1.4	3.0	0.10	9.4	29	27	0.04

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
OCT 26.	1030	7.08	--	--	--	--	--	--	--	--	50
DEC 28.	0945	72.9	<0.010	<0.100	0.020	0.010	0.38	0.40	0.020	0.020	--
FEB 27.	1130	9.92	<0.010	<0.100	0.010	0.030	0.29	0.30	<0.010	<0.010	30
APR 04.	1030	9.63	<0.010	<0.100	0.050	<0.010	--	<0.20	0.010	0.010	--
JUN 05.	0930	22.3	<0.010	<0.100	<0.010	0.020	--	0.40	<0.010	<0.010	40
AUG 01.	1015	9.40	<0.010	<0.100	<0.010	<0.010	--	1.3	0.010	<0.010	30

DATE	TIME	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT 26.	1030	<1	14	<0.5	<1	<3	<1	77	<5	<4	5
FEB 27.	1130	<1	12	<0.5	<1	<3	2	42	<5	<4	3
JUN 05.	0930	<1	12	<0.5	<1	<3	9	53	<1	<4	5
AUG 01.	1015	<1	9	<0.5	<1	<3	5	73	2	<4	9

DATE	TIME	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)
OCT 26.	1030	<0.1	<10	1	<1	1.0	17	<6	9	<0.4	<0.4
FEB 27.	1130	<0.1	<10	<1	<1	<1.0	11	<6	7	<0.4	<0.4
JUN 05.	0930	<0.1	<10	21	<1	<1.0	9	<6	<3	--	--
AUG 01.	1015	<0.1	<10	3	<1	<1.0	14	<6	11	--	--

DATE	TIME	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 26.	1030	0.7	<0.4	0.7	<0.4	0.04	0.03	6	1.0	45
DEC 28.	0945	--	--	--	--	--	--	3	6.2	89
FEB 27.	1130	0.7	<0.4	0.7	<0.4	<0.02	<0.01	7	3.3	50
APR 04.	1030	--	--	--	--	--	--	3	1.3	89
JUN 05.	0930	--	--	--	--	--	--	4	5.0	93
AUG 01.	1015	--	--	--	--	--	--	6	1.9	73

07340400 COSSATOT RIVER NEAR UMPIRE, ARK.

LOCATION.--Lat 34°18'00", long 94°11'00", in SE ¼ SW ¼ sec.23, T.5 S., R.30 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 4, 8.5 mi west of Umpire, and 2.5 mi south of Baker Springs.

DRAINAGE AREA.--142 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
18.	0850	9827	9827	7.9	17.0	1.5	7.8	0.5	3.0
NOV									
15.	0900	9827	9827	--	14.0	10	9.7	0.5	3.0
DEC									
20.	0900	9827	9827	--	8.0	5.0	11.7	0.3	1.5
JAN									
17.	0855	9827	9827	7.4	4.0	5.0	12.3	0.7	2.0
FEB									
14.	0850	9827	9827	7.2	10.0	10	10.7	0.4	2.0
MAR									
21.	0900	9827	9827	7.7	10.0	2.5	10.4	0.4	2.0
APR									
18.	0900	9827	9827	7.3	18.0	2.0	8.4	0.5	2.5
MAY									
16.	0850	9827	9827	7.7	21.0	4.0	7.9	0.7	2.3
JUN									
20.	0910	9827	9827	7.5	24.0	4.5	--	1.1	0.90
JUL									
19.	0900	9827	9827	7.1	20.0	15	9.0	0.5	2.2
SEP									
19.	1100	9827	9827	7.7	22.0	2.5	8.6	0.7	2.9

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
18.	0850	--	82	1	0.030	0.060	0.010	0.030
NOV								
15.	0900	4.0	41	3	0.030	0.020	0.010	0.020
DEC								
20.	0900	5.0	20	3	0.040	0.010	0.020	0.010
JAN								
17.	0855	6.0	42	<1	0.050	0.020	0.020	0.010
FEB								
14.	0850	6.0	30	10	0.050	0.030	0.060	0.020
MAR								
21.	0900	9.0	33	4	0.040	0.040	--	0.010
APR								
18.	0900	--	45	3	<0.010	<0.010	--	<0.010
MAY								
16.	0850	4.0	31	9	0.010	0.020	0.050	0.050
JUN								
20.	0910	5.0	31	--	0.020	<0.010	0.030	<0.010
JUL								
19.	0900	5.0	39	12	0.020	<0.050	0.070	<0.030
SEP								
19.	1100	5.0	25	3	0.040	0.150	0.040	<0.030

07340400 COSSATOT RIVER NEAR UMPIRE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	0950	<1	<1	<15	2	<0.50	10	2.0
NOV								
15.	0900	<1	5	23	7	--	10	2.8
DEC								
20.	0900	<1	<1	<15	2	--	<10	1.3
JAN								
17.	0855	<1	--	<15	1	--	<10	1.1
FEB								
14.	0850	<1	<1	<15	2	--	10	2.7
MAR								
21.	0900	<1	--	<15	1	--	--	1.7
APR								
18.	0900	<1	1	25	2	--	10	2.1
MAY								
16.	0850	<1	<1	<15	2	--	<10	1.8
JUN								
20.	0910	<1	<1	<15	5	--	10	1.6
JUL								
19.	0900	<1	<1	16	3	--	<10	4.3
SEP								
19.	1100	<1	1	17	--	<0.40	--	1.4

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.

LOCATION.--Lat 34°12'37", long 94°13'44", in SE ¼ SE ¼ sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109, at Gillham Dam on Cossatot River, 6.0 mi northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 mi².

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
04...	0930	80513	80020	0.0	34	6.8	24.0	6.6	2.00
04...	0931	80513	80020	10.0	34	6.7	24.0	6.4	--
04...	0932	80513	80020	20.0	34	6.6	24.0	6.7	--
04...	0933	80513	80020	25.0	44	6.4	23.0	0.8	--
04...	0934	80513	80020	26.0	50	6.4	22.0	0.4	--
04...	0935	80513	80020	27.0	51	6.4	21.0	0.2	--
04...	0936	80513	80020	30.0	48	6.4	20.5	0.2	--
04...	0937	80513	80020	32.0	47	6.4	19.0	0.2	--
04...	0938	80513	80020	34.0	47	6.4	18.0	0.1	--
04...	0939	80513	80020	38.0	46	6.4	17.0	0.2	--
04...	0940	80513	80020	40.0	46	6.4	16.5	0.1	--
04...	0941	80513	80020	44.0	50	6.5	15.5	0.1	--
04...	0942	80513	80020	50.0	59	6.6	14.5	0.1	--
04...	0943	80513	80020	60.0	69	6.6	13.5	0.1	--
04...	0944	80513	80020	65.0	92	6.7	13.0	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
22...	0800	80513	80020	0.0	31	6.9	13.0	9.3	0.36
22...	0801	80513	80020	10.0	32	6.9	13.0	9.1	--
22...	0802	80513	80020	20.0	31	6.9	13.0	9.0	--
22...	0803	80513	80020	30.0	30	6.9	13.0	9.0	--
22...	0804	80513	80020	40.0	24	6.8	13.0	9.1	--
22...	0805	80513	80020	50.0	24	6.7	13.0	9.0	--
22...	0806	80513	80020	60.0	25	6.7	13.0	8.9	--
22...	0807	80513	80020	63.0	25	6.7	13.0	8.7	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
05...	1530	80513	80020	0.0	26	6.6	12.0	10.1	0.76
05...	1531	80513	80020	10.0	25	6.6	11.0	9.3	--
05...	1532	80513	80020	20.0	27	6.5	11.0	8.9	--
05...	1533	80513	80020	30.0	27	6.5	11.0	8.7	--
05...	1534	80513	80020	35.0	23	6.4	10.0	9.3	--
05...	1535	80513	80020	40.0	25	6.4	9.5	9.4	--
05...	1536	80513	80020	50.0	25	6.4	9.5	9.4	--
05...	1537	80513	80020	60.0	24	6.4	9.0	9.3	--
05...	1538	80513	80020	64.0	25	6.4	9.0	9.2	--

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
11.	1050	80513	80020	0.0	30	6.7	7.5	11.5	0.80	4
11.	1051	80513	80020	3.00	30	6.6	7.5	11.1	--	--
11.	1053	80513	80020	10.0	29	6.6	7.5	10.9	--	--
11.	1055	80513	81213	11.0	28	6.6	7.5	10.8	--	--
11.	1056	80513	80020	20.0	28	6.6	7.5	10.7	--	--
11.	1057	80513	80020	30.0	28	6.6	7.5	10.6	--	--
11.	1058	80513	80020	40.0	28	6.6	7.5	10.6	--	--
11.	1100	80513	81213	44.0	28	6.6	7.5	10.6	--	--
11.	1102	80513	80020	50.0	27	6.6	7.5	10.5	--	--
11.	1104	80513	80020	55.0	27	6.6	7.5	10.4	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JAN									
11.	1055	20	9.9	1.2	9	2.2	0.80	9	3.3
11.	1100	10	11	1.4	8	2.0	0.80	9	3.3

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JAN									
11.	1051	--	0.100	0.020	0.010	--	--	--	--
11.	1055	1.6	0.100	0.020	0.010	200	<1	<10	2
11.	1100	1.6	0.100	0.020	0.010	200	<1	<10	1

DATE	TIME	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN									
11.	1051	--	--	--	--	--	--	2.70	<0.100
11.	1055	590	<5	60	0.10	2	<10	--	--
11.	1100	320	<5	60	<0.10	2	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
01...	1355	80513	80020	0.0	25	6.8	11.0	11.5	0.61
01...	1356	80513	80020	10.0	25	6.7	10.5	11.1	--
01...	1357	80513	80020	20.0	25	6.7	10.0	10.8	--
01...	1358	80513	80020	30.0	28	6.6	9.5	10.7	--
01...	1359	80513	80020	40.0	29	6.6	8.5	10.8	--
01...	1400	80513	80020	50.0	30	6.7	8.0	10.5	--
01...	1401	80513	80020	60.0	30	6.6	7.0	10.3	--
01...	1402	80513	80020	65.0	30	6.6	7.0	10.1	--

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
MAR									
20...	1515	80513	80020	0.0	24	6.4	13.5	11.2	1.40
20...	1516	80513	80020	10.0	24	6.4	13.0	10.8	--
20...	1517	80513	80020	17.0	24	6.4	12.0	10.4	--
20...	1518	80513	80020	18.0	24	6.3	11.0	10.0	--
20...	1519	80513	80020	19.0	22	6.3	10.0	10.1	--
20...	1520	80513	80020	20.0	23	6.3	9.5	10.2	--
20...	1521	80513	80020	22.0	23	6.3	8.5	10.2	--
20...	1522	80513	80020	30.0	22	6.3	8.0	10.2	--
20...	1523	80513	80020	40.0	23	6.4	7.5	10.4	--
20...	1524	80513	80020	50.0	22	6.4	7.0	10.5	--
20...	1525	80513	80020	60.0	22	6.3	6.5	10.5	--
20...	1526	80513	80020	67.0	22	6.4	6.5	10.2	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
APR									
18...	1445	80513	80020	0.0	25	6.9	20.0	9.8	2.30
18...	1446	80513	80020	5.00	25	7.1	19.0	9.9	--
18...	1447	80513	80020	8.00	25	7.0	18.0	9.9	--
18...	1448	80513	80020	10.0	25	7.0	17.5	9.9	--
18...	1449	80513	80020	12.0	25	6.9	16.5	9.7	--
18...	1450	80513	80020	20.0	25	6.6	15.5	8.6	--
18...	1451	80513	80020	30.0	27	6.4	14.5	7.4	--
18...	1452	80513	80020	40.0	26	6.4	14.0	7.4	--
18...	1453	80513	80020	50.0	26	6.2	13.0	7.3	--
18...	1454	80513	80020	55.0	26	6.2	12.0	7.0	--
18...	1455	80513	80020	56.0	27	6.1	10.5	6.5	--
18...	1456	80513	80020	60.0	28	6.2	9.5	6.6	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
MAY										
09.	1345	80513	80020	0.0	28	6.8	23.0	9.2	1.60	2
09.	1346	80513	80020	3.00	28	6.8	22.5	9.3	--	--
09.	1347	80513	80020	9.00	28	6.8	22.0	8.8	--	--
09.	1348	80513	80020	10.0	28	6.7	21.0	8.6	--	--
09.	1350	80513	81213	13.0	28	6.6	20.5	7.6	--	--
09.	1351	80513	80020	17.0	29	6.3	19.5	7.0	--	--
09.	1352	80513	80020	20.0	28	6.3	19.0	7.1	--	--
09.	1353	80513	80020	25.0	28	6.2	18.0	6.9	--	--
09.	1354	80513	80020	30.0	28	6.2	17.0	6.5	--	--
09.	1356	80513	80020	40.0	28	6.1	16.0	5.7	--	--
09.	1358	80513	80020	50.0	29	6.1	15.0	4.7	--	--
09.	1400	80513	81213	52.0	31	6.2	14.5	4.3	--	--
09.	1401	80513	80020	56.0	30	6.1	13.0	3.6	--	--
09.	1402	80513	80020	60.0	31	6.2	12.5	3.6	--	--
09.	1403	80513	80020	65.0	31	6.2	12.0	3.3	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY									
09.	1350	<5	1.2	1.6	9	2.1	0.80	10	3.2
09.	1400	5	4.0	0.8	9	2.2	0.90	10	3.2

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
MAY									
09.	1346	--	<0.020	0.020	0.020	--	--	--	--
09.	1350	1.4	<0.020	0.020	0.020	100	<1	<10	1
09.	1400	1.5	0.040	0.020	0.020	100	<1	<10	2

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
09.	1346	--	--	--	--	--	--	2.60	<0.100
09.	1350	120	<5	20	<0.10	4	<10	--	--
09.	1400	260	<5	100	0.30	3	<10	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN									
20...	1215	80513	80020	0.0	32	6.0	29.0	8.5	1.80
20...	1216	80513	80020	4.00	32	6.4	28.0	8.3	--
20...	1217	80513	80020	8.00	32	6.5	27.0	8.4	--
20...	1218	80513	80020	10.0	32	6.5	26.5	8.1	--
20...	1219	80513	80020	12.0	32	6.2	25.5	7.1	--
20...	1220	80513	80020	19.0	32	5.7	24.5	3.5	--
20...	1221	80513	80020	20.0	32	5.7	24.0	3.2	--
20...	1222	80513	80020	25.0	32	5.6	23.0	2.9	--
20...	1223	80513	80020	30.0	31	5.6	22.5	3.2	--
20...	1224	80513	80020	38.0	31	5.6	21.5	3.7	--
20...	1225	80513	80020	40.0	31	5.7	21.0	3.9	--
20...	1226	80513	80020	50.0	31	5.7	20.0	3.8	--
20...	1227	80513	80020	55.0	32	5.8	19.0	3.2	--
20...	1228	80513	80020	56.0	34	5.8	18.0	2.0	--
20...	1229	80513	80020	57.0	36	5.8	17.0	1.2	--
20...	1230	80513	80020	60.0	36	5.9	16.5	0.9	--
20...	1231	80513	80020	67.0	36	6.1	15.5	0.1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL									
18...	1200	80513	80020	0.0	32	6.4	27.0	7.3	1.60
18...	1201	80513	80020	10.0	32	6.4	27.0	6.9	--
18...	1202	80513	80020	12.0	36	5.9	26.0	2.0	--
18...	1203	80513	80020	17.0	36	5.8	25.0	0.5	--
18...	1204	80513	80020	20.0	36	5.8	24.5	0.4	--
18...	1205	80513	80020	24.0	34	5.8	23.5	1.4	--
18...	1206	80513	80020	30.0	33	5.8	23.0	2.0	--
18...	1207	80513	80020	40.0	32	5.8	22.0	3.4	--
18...	1208	80513	80020	50.0	29	5.9	21.5	5.6	--
18...	1209	80513	80020	60.0	31	5.9	21.0	4.9	--
18...	1210	80513	80020	70.0	33	5.8	20.5	2.9	--
18...	1211	80513	80020	72.0	39	6.0	19.5	0.3	--
18...	1212	80513	80020	73.0	45	6.0	18.0	0.1	--
18...	1213	80513	80020	74.0	48	6.1	17.5	0.1	--
18...	1214	80513	80020	79.0	56	6.3	16.5	0.1	--

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
AUG										
22.	0850	80513	80020	0.0	35	6.7	29.0	8.4	1.50	2
22.	0851	80513	80020	3.00	35	6.8	29.0	8.3	--	--
22.	0852	80513	80020	10.0	35	6.8	29.0	8.2	--	--
22.	0853	80513	81213	13.0	36	6.5	28.0	5.7	--	--
22.	0854	80513	80020	16.0	36	5.9	27.0	1.6	--	--
22.	0855	80513	80020	20.0	38	5.7	26.5	0.2	--	--
22.	0856	80513	80020	25.0	39	5.7	25.5	0.2	--	--
22.	0857	80513	80020	30.0	40	5.7	24.5	0.1	--	--
22.	0858	80513	80020	35.0	41	5.7	23.5	0.1	--	--
22.	0859	80513	80020	40.0	42	5.8	22.5	0.1	--	--
22.	0900	80513	80020	50.0	50	5.9	21.0	0.1	--	--
22.	0905	80513	81213	52.0	47	5.9	20.5	0.1	--	--
22.	0906	80513	80020	60.0	53	5.9	20.0	0.1	--	--
22.	0907	80513	80020	62.0	59	6.1	19.0	0.1	--	--
22.	0908	80513	80020	65.0	92	6.3	18.0	0.1	--	--

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG									
22.	0853	5	1.2	1.7	11	2.7	1.0	11	2.7
22.	0905	60	9.0	1.8	12	3.0	1.1	14	2.2

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG									
22.	0851	--	<0.020	<0.020	0.010	--	--	--	--
22.	0853	1.3	<0.020	0.020	0.010	40	<1	<10	1
22.	0905	1.1	<0.020	0.080	0.050	200	4	<10	1

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
22.	0851	--	--	--	--	--	--	4.30	0.200
22.	0853	90	<1	40	0.20	<1	<10	--	--
22.	0905	2400	<1	1000	0.20	1	<10	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP									
06...	0710	80513	80020	0.0	37	6.8	29.0	8.1	1.70
06...	0711	80513	80020	10.0	37	6.8	29.0	8.0	--
06...	0712	80513	80020	16.0	35	6.0	28.0	1	--
06...	0713	80513	80020	18.0	40	5.8	27.0	0.4	--
06...	0714	80513	80020	20.0	43	5.8	26.5	0.3	--
06...	0715	80513	80020	24.0	42	5.8	25.5	0.2	--
06...	0716	80513	80020	28.0	42	5.8	24.5	0.2	--
06...	0717	80513	80020	30.0	43	5.8	24.0	0.2	--
06...	0718	80513	80020	35.0	45	5.8	23.0	0.2	--
06...	0719	80513	80020	40.0	46	5.9	22.5	0.2	--
06...	0720	80513	80020	45.0	49	5.9	21.5	0.1	--
06...	0721	80513	80020	50.0	52	6.0	20.5	0.2	--
06...	0722	80513	80020	57.0	60	6.0	19.5	0.1	--

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, ARK.

LOCATION.--Lat 34°12'32", long 94°13'40", in SE ¼ SE ¼ sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109 at Gillham Dam, 6.0 mi northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT											
04...	0900	80513	80020	34	6.9	22.5	8.4	--	--	--	--
NOV											
22...	0830	80513	80020	29	6.9	13.0	12.5	--	--	--	--
DEC											
05...	1545	80513	80020	26	6.3	11.0	12.5	--	--	--	--
JAN											
11...	1130	80513	81213	28	6.6	7.5	12.7	4	10	9.7	1.4
FEB											
01...	1335	80513	80020	26	6.6	10.0	12.3	--	--	--	--
MAR											
20...	1545	80513	80020	25	6.6	14.5	11.2	--	--	--	--
APR											
18...	1530	80513	80020	26	6.8	16.0	10.7	--	--	--	--
MAY											
09...	1445	80513	81213	29	6.3	16.5	10.3	10	<5	6.0	1.0
JUN											
20...	1300	80513	80020	33	6.4	24.0	9.0	--	--	--	--
JUL											
18..	1130	80513	80020	32	6.1	21.5	9.6	--	--	--	--
AUG											
22...	0930	80513	81213	36	6.2	27.0	7.9	K26	10	2.1	1.9
SEP											
06...	0740	80513	80020	38	6.2	27.0	7.4	--	--	--	--

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
JAN											
11...	1130	9	2.1	0.80	8	3.3	1.6	0.100	0.020	0.010	200
MAY											
09...	1445	9	2.1	0.80	9	3.2	1.5	0.030	0.040	0.030	200
AUG											
22...	0930	11	2.7	1.0	12	2.7	1.4	0.020	0.020	0.010	70

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JAN										
11...	1130	<1	<10	4	410	<5	60	0.10	3	<10
MAY										
09...	1445	<1	<10	2	280	<5	70	<0.10	4	<10
AUG										
22...	0930	<1	<10	1	250	<1	130	0.10	1	<10

• 07340945 SALINE RIVER NEAR BURG, ARK.

LOCATION.--Lat 34°12'39", long 94°03'02", in NW ¼ SE ¼ sec.25, T.6 S., R.29 W., Howard County, Hydrologic Unit 11140109, 2.6 mi southeast of Burg, 8.0 mi north of Dierks, and 4.0 mi upstream from entry to Dierks Lake.

DRAINAGE AREA.--47.4 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 18.	0830	9827	9827	7.9	--	6.0	5.0	--	3.5
NOV 15.	0830	9827	9827	--	15.0	20	8.5	1.1	4.0
DEC 20.	0825	9827	9827	--	8.0	10	11.3	0.5	3.0
JAN 17.	0830	9827	9827	7.7	4.0	10	11.8	0.7	3.5
FEB 14.	0830	9827	9827	7.5	10.0	60	10.4	1.2	2.0
MAR 21.	0830	9827	9827	7.4	10.0	6.0	9.9	2.8	2.5
APR 18.	0832	9827	9827	7.3	17.0	4.5	8.1	0.9	3.0
MAY 16.	0930	9827	9827	7.6	20.0	7.0	7.4	0.9	2.6
JUN 20.	0845	9827	9827	9.4	22.0	6.5	--	0.5	2.5
JUL 19.	0830	9827	9827	7.0	22.0	60	7.6	1.1	3.8
AUG 15.	0830	9827	9827	7.4	23.0	4.5	7.4	1.2	2.9
SEP 19.	1000	9827	9827	7.5	18.0	7.5	8.0	0.6	3.5

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	0830	--	90	6	0.030	0.080	0.090	0.020
NOV 15.	0830	4.0	59	5	0.040	0.020	0.040	0.010
DEC 20.	0825	4.0	39	4	0.380	0.020	0.030	0.010
JAN 17.	0830	5.0	55	2	0.850	0.050	0.040	0.020
FEB 14.	0830	5.0	56	38	0.590	0.060	0.140	0.060
MAR 21.	0830	7.0	45	8	0.470	0.260	--	0.020
APR 18.	0832	--	52	6	0.100	<0.010	--	<0.010
MAY 16.	0930	3.0	42	8	0.100	0.010	0.050	0.050
JUN 20.	0845	3.0	48	--	0.300	<0.010	0.050	<0.010
JUL 19.	0830	6.0	67	33	0.300	<0.050	0.120	0.040
AUG 15.	0830	4.0	40	14	0.100	0.130	0.030	<0.030
SEP 19.	1000	4.0	44	5	0.160	0.130	0.050	<0.030

07340945 SALINE RIVER NEAR BURG, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 18.	0830	<1	<1	<15	5	<0.50	40	7.5
NOV 15.	0830	<1	<1	18	4	--	80	4.3
DEC 20.	0825	<1	<1	<15	3	--	40	2.3
JAN 17.	0830	<1	<1	<15	1	--	10	2.5
FEB 14.	0830	<1	<1	<15	2	--	10	4.4
MAR 21.	0830	<1	--	<15	11	--	--	2.8
APR 18.	0832	<1	2	<15	8	--	<10	3.4
MAY 16.	0930	<1	<1	<15	<1	--	<10	2.9
JUN 20.	0845	<1	<1	<15	2	--	20	2.9
JUL 19.	0830	<1	1	<15	2	--	<10	7.1
AUG 15.	0830	<1	<1	<15	--	--	10	2.2
SEP 19.	1000	<1	2	50	--	<0.40	--	3.4

07340990 DIERKS LAKE NEAR DIERKS, ARK.

LOCATION.--Lat 34°08'39", long 94°05'53", in NE ¼ NW ¼ sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam on Saline River, 3.1 mi upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
03...	1330	80513	80020	0.0	36	6.6	24.5	7.6	2.00
03...	1331	80513	80020	10.0	36	6.6	24.5	7.4	--
03...	1332	80513	80020	20.0	37	6.6	24.0	7.3	--
03...	1333	80513	80020	21.0	38	6.4	23.5	3.4	--
03...	1334	80513	80020	22.0	53	6.2	20.0	0.3	--
03...	1335	80513	80020	23.0	53	6.2	19.0	0.2	--
03...	1336	80513	80020	24.0	53	6.3	18.0	0.2	--
03...	1337	80513	80020	26.0	51	6.3	17.0	0.2	--
03...	1338	80513	80020	28.0	49	6.3	16.0	0.2	--
03...	1339	80513	80020	30.0	49	6.3	15.5	0.2	--
03...	1340	80513	80020	35.0	49	6.4	14.5	0.2	--
03...	1341	80513	80020	40.0	51	6.5	14.0	0.1	--
03...	1342	80513	80020	50.0	64	6.6	13.5	0.1	--
03...	1343	80513	80020	60.0	69	6.7	13.0	0.2	--
03...	1344	80513	80020	63.0	71	6.7	13.0	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
21...	1330	80513	80020	0.0	41	6.8	14.5	6.6	0.94
21...	1331	80513	80020	10.0	40	6.7	13.5	6.3	--
21...	1332	80513	80020	20.0	40	6.7	13.5	6.1	--
21...	1333	80513	80020	30.0	40	6.6	13.5	6.1	--
21...	1334	80513	80020	40.0	40	6.6	13.5	6.0	--
21...	1335	80513	80020	50.0	46	6.5	13.5	2.1	--
21...	1336	80513	80020	60.0	47	6.3	13.0	2.1	--
21...	1337	80513	80020	70.0	53	6.4	13.0	2.3	--
21...	1338	80513	80020	80.0	91	6.7	13.0	0.3	--
21...	1339	80513	80020	89.0	95	6.9	13.0	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
05...	1415	80513	80020	0.0	35	6.2	13.0	8.3	0.85
05...	1416	80513	80020	10.0	35	6.3	11.5	7.9	--
05...	1417	80513	80020	20.0	35	6.4	11.5	7.6	--
05...	1418	80513	80020	30.0	35	6.4	11.5	7.6	--
05...	1419	80513	80020	40.0	34	6.3	11.5	6.8	--
05...	1420	80513	80020	50.0	34	6.4	11.0	6.9	--
05...	1421	80513	80020	60.0	34	6.3	10.5	7.1	--
05...	1422	80513	80020	70.0	34	6.3	10.0	7.3	--
05...	1423	80513	80020	71.0	34	6.3	10.0	7.2	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
10.	1015	80513	80020	0.0	34	7.1	8.5	10.2	1.30	6
10.	1016	80513	80020	3.00	34	7.1	8.5	9.7	--	--
10.	1017	80513	80020	10.0	34	7.0	8.5	9.6	--	--
10.	1020	80513	81213	13.0	34	7.0	8.5	9.6	--	--
10.	1021	80513	80020	20.0	35	7.0	8.5	9.5	--	--
10.	1022	80513	80020	30.0	36	7.0	8.5	9.5	--	--
10.	1023	80513	80020	40.0	34	6.9	8.5	9.4	--	--
10.	1024	80513	80020	50.0	34	6.9	8.5	9.3	--	--
10.	1025	80513	81213	52.0	33	6.9	8.5	9.2	--	--
10.	1026	80513	80020	60.0	35	6.8	8.0	8.6	--	--
10.	1027	80513	80020	65.0	35	6.7	8.0	8.4	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
10.	1020	20	5.9	1.6	11	2.6	1.2	12	3.1
10.	1025	30	8.1	2.4	11	2.4	1.2	12	3.2

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JAN									
10.	1016	--	0.240	0.030	<0.010	--	--	--	--
10.	1020	1.7	0.230	0.030	<0.010	90	<1	<10	3
10.	1025	1.7	0.240	0.030	<0.010	100	<1	<10	2

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
10.	1016	--	--	--	--	--	--	5.30	<0.100
10.	1020	380	<5	70	<0.10	2	<10	--	--
10.	1025	420	<5	70	<0.10	2	<10	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
FEB									
02...	0710	80513	80020	0.0	37	7.1	10.0	12.3	1.30
02...	0711	80513	80020	10.0	39	7.0	10.0	11.9	--
02...	0712	80513	80020	20.0	39	7.0	9.5	11.2	--
02...	0713	80513	80020	30.0	39	6.9	8.0	10.0	--
02...	0714	80513	80020	40.0	40	6.9	7.5	9.5	--
02...	0715	80513	80020	50.0	40	6.8	7.5	9.3	--
02...	0716	80513	80020	60.0	39	6.7	7.5	9.3	--
02...	0717	80513	80020	68.0	40	6.7	7.5	9.1	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR									
21...	0730	80513	80020	0.0	33	6.5	12.0	11.4	1.10
21...	0731	80513	80020	10.0	31	6.6	12.0	11.1	--
21...	0732	80513	80020	20.0	32	6.6	12.0	10.9	--
21...	0733	80513	80020	30.0	31	6.7	12.0	10.7	--
21...	0734	80513	80020	31.0	32	6.6	9.5	9.5	--
21...	0735	80513	80020	32.0	31	6.5	8.5	9.7	--
21...	0736	80513	80020	40.0	32	6.4	8.0	9.3	--
21...	0737	80513	80020	50.0	32	6.3	7.5	9.2	--
21...	0738	80513	80020	60.0	31	6.3	7.5	9.1	--
21...	0739	80513	80020	65.0	33	6.3	7.5	9.0	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR									
18...	1630	80513	80020	0.0	35	8.8	20.0	12.0	2.00
18...	1631	80513	80020	6.00	36	9.0	19.0	12.1	--
18...	1632	80513	80020	9.00	36	8.9	18.0	11.4	--
18...	1633	80513	80020	10.0	34	8.0	16.5	10.3	--
18...	1634	80513	80020	12.0	34	7.7	15.5	9.7	--
18...	1635	80513	80020	20.0	34	7.1	15.0	9.0	--
18...	1636	80513	80020	30.0	35	6.9	15.0	7.6	--
18...	1637	80513	80020	40.0	35	6.6	13.5	6.4	--
18...	1638	80513	80020	50.0	36	6.5	12.5	6.4	--
18...	1639	80513	80020	60.0	39	6.4	11.0	5.3	--
18...	1640	80513	80020	65.0	40	6.3	10.5	4.7	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLOR (PLATINUM-COBALT UNITS) (00080)
MAY									
09...	0900	80513	80020	0.0	33	6.9	21.0	9.4	--
09...	0901	80513	80020	3.00	33	7.0	21.0	9.3	--
09...	0902	80513	80020	10.0	33	6.9	21.0	8.9	--
09...	0903	80513	80020	11.0	34	6.5	19.5	6.9	--
09...	0904	80513	80020	12.0	35	6.4	18.5	5.5	--
09...	0905	80513	81213	16.0	35	6.3	17.5	5.2	10
09...	0906	80513	80020	18.0	35	6.2	17.0	4.8	--
09...	0907	80513	80020	20.0	35	6.3	17.0	5.1	--
09...	0908	80513	80020	25.0	36	6.3	15.5	5.6	--
09...	0909	80513	80020	30.0	35	6.3	15.0	5.2	--
09...	0910	80513	80020	35.0	36	6.3	14.0	3.7	--
09...	0911	80513	80020	40.0	37	6.3	13.5	3.7	--
09...	0912	80513	80020	50.0	41	6.3	12.5	2.6	--
09...	0913	80513	80020	60.0	40	6.3	12.0	1.5	--
09...	0914	80513	81213	64.0	47	6.4	11.0	0.1	20
09...	0915	80513	80020	70.0	51	6.4	11.0	0.1	--
09...	0916	80513	80020	80.0	57	6.6	11.0	0.1	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY									
09...	0905	1.4	1.4	10	2.3	1.1	12	3.3	1.9
09...	0914	3.4	1.6	11	2.5	1.2	11	3.3	1.9

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
MAY									
09...	0901	<0.020	0.020	0.030	--	--	--	--	--
09...	0905	0.140	0.030	0.030	90	<1	<10	1	180
09...	0914	0.420	0.030	0.030	200	<1	<10	2	670

DATE	TIME	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY								
09...	0901	--	--	--	--	--	8.50	<0.300
09...	0905	<5	70	<0.10	3	<10	--	--
09...	0914	<5	430	<0.10	4	<10	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN									
20...	1400	80513	80020	0.0	36	7.8	28.5	9.3	0.85
20...	1401	80513	80020	5.00	36	7.9	27.5	9.3	--
20...	1402	80513	80020	7.00	34	7.7	26.5	8.8	--
20...	1403	80513	80020	10.0	35	7.2	25.5	7.4	--
20...	1404	80513	80020	14.0	36	6.7	24.5	4.7	--
20...	1405	80513	80020	16.0	37	6.2	23.5	1.9	--
20...	1406	80513	80020	20.0	37	6.0	22.5	1.4	--
20...	1407	80513	80020	24.0	36	5.9	22.5	1.4	--
20...	1408	80513	80020	26.0	36	5.8	21.5	1.4	--
20...	1409	80513	80020	28.0	36	5.8	21.0	1.5	--
20...	1410	80513	80020	30.0	35	5.8	20.5	1.5	--
20...	1411	80513	80020	40.0	37	5.8	19.5	0.9	--
20...	1412	80513	80020	50.0	37	5.8	18.5	0.2	--
20...	1413	80513	80020	60.0	44	5.9	18.0	0.1	--
20...	1414	80513	80020	66.0	45	6.0	17.5	0.1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL									
18...	0830	80513	80020	0.0	36	6.5	27.0	7.6	1.60
18...	0831	80513	80020	10.0	36	6.5	27.0	7.3	--
18...	0832	80513	80020	14.0	36	6.0	26.0	3.8	--
18...	0833	80513	80020	16.0	39	5.9	25.0	0.7	--
18...	0834	80513	80020	18.0	40	5.8	24.0	0.3	--
18...	0835	80513	80020	20.0	39	5.8	23.0	0.3	--
18...	0836	80513	80020	23.0	38	5.8	22.0	0.2	--
18...	0837	80513	80020	26.0	37	5.8	21.0	0.1	--
18...	0838	80513	80020	30.0	36	5.8	20.5	0.2	--
18...	0839	80513	80020	36.0	38	5.7	19.5	0.1	--
18...	0840	80513	80020	40.0	39	5.8	19.0	0.1	--
18...	0841	80513	80020	50.0	44	5.8	18.0	0.1	--
18...	0842	80513	80020	60.0	55	6.0	17.5	0.1	--
18...	0843	80513	80020	64.0	63	6.3	17.0	0.1	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (0007E)
AUG									
22...	1215	80513	80020	0.0	37	7.8	30.5	8.9	1.70
22...	1216	80513	80020	3.00	37	8.0	29.5	9.0	--
22...	1217	80513	80020	10.0	37	7.5	28.5	8.2	--
22...	1218	80513	80020	11.0	37	6.4	27.0	4.5	--
22...	1220	80513	81213	14.0	37	6.1	27.0	0.9	--
22...	1221	80513	80020	17.0	41	5.8	25.5	0.2	--
22...	1222	80513	80020	20.0	39	5.8	24.5	0.2	--
22...	1223	80513	80020	22.0	38	5.7	24.0	0.1	--
22...	1224	80513	80020	25.0	37	5.7	23.5	0.1	--
22...	1225	80513	80020	30.0	34	5.6	22.5	0.1	--
22...	1226	80513	80020	40.0	38	5.6	22.0	0.1	--
22...	1228	80513	80020	50.0	49	5.8	21.5	0.1	--
22...	1230	80513	81213	56.0	54	5.9	21.0	0.1	--
22...	1231	80513	80020	60.0	57	5.9	20.5	0.1	--
22...	1232	80513	80020	70.0	64	6.0	20.5	0.1	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
AUG									
22...	1215	0	--	--	--	--	--	--	--
22...	1220	--	10	1.2	11	2.5	1.2	11	2.5
22...	1230	--	80	9.8	12	2.9	1.2	17	2.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
AUG									
22...	1216	--	<0.020	0.020	0.010	--	--	--	--
22...	1220	1.6	0.020	0.020	0.010	40	<1	<10	2
22...	1230	1.2	<0.020	0.110	0.090	90	3	<10	2

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
22...	1216	--	--	--	--	--	--	9.10	0.200
22...	1220	80	<1	40	<0.10	1	10	--	--
22...	1230	3600	<1	700	0.20	1	10	--	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
06...	0845	80513	80020	0.0	38	6.5	28.5	7.5	1.60
06...	0846	80513	80020	10.0	36	6.5	28.5	7.4	--
06...	0847	80513	80020	15.0	37	6.0	27.5	1.0	--
06...	0848	80513	80020	16.0	40	5.8	26.5	0.7	--
06...	0849	80513	80020	17.0	42	5.7	25.5	0.3	--
06...	0850	80513	80020	20.0	41	5.7	24.5	0.2	--
06...	0851	80513	80020	22.0	40	5.7	23.5	0.2	--
06...	0852	80513	80020	30.0	39	5.7	22.5	0.2	--
06...	0853	80513	80020	40.0	46	5.8	21.5	0.1	--
06...	0854	80513	80020	50.0	56	5.9	21.0	0.1	--
06...	0855	80513	80020	60.0	67	6.0	20.0	0.1	--
06...	0856	80513	80020	70.0	85	6.1	19.0	0.1	--
06...	0857	80513	80020	75.0	101	6.1	19.0	0.1	--

07340992 SALINE RIVER BELOW DIERKS DAM, NEAR DIERKS, ARK.

LOCATION.--Lat 34°08'37", long 94°05'53", in sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam, 3.1 mi upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 03...	1300	80513	80020	44	6.5	21.0	9.0	--	--	--	--
NOV 21...	1255	80513	80020	61	6.9	15.0	11.1	--	--	--	--
DEC 05...	1400	80513	80020	35	6.5	11.0	12.6	--	--	--	--
JAN 10...	0945	80513	81213	34	7.8	8.5	12.3	4	20	7.2	1.4
FEB 02...	0730	80513	80020	40	6.8	8.0	14.0	--	--	--	--
MAR 21...	0750	80513	80020	31	6.6	8.5	12.9	--	--	--	--
APR 18...	1700	80513	80020	33	7.7	16.5	9.9	--	--	--	--
MAY 09...	0950	80513	81213	34	6.8	19.0	9.6	6	5	1.6	1.6
JUN 20...	1430	80513	80020	39	6.4	23.5	8.9	--	--	--	--
JUL 18...	0800	80513	80020	47	6.1	26.0	7.4	--	--	--	--
AUG 22...	1315	80513	81213	39	6.1	28.5	7.4	K350	10	1.1	3.1
SEP 06...	0935	80513	80020	38	6.3	28.5	7.5	--	--	--	--

DATE	TIME	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)
JAN 10...	0945	11	2.5	1.2	12	3.2	1.7	0.240	0.030	<0.010	80
MAY 09...	0950	10	2.2	1.1	11	3.2	1.9	0.080	0.020	0.030	80
AUG 22...	1315	12	2.6	1.3	11	3.0	1.5	0.040	0.040	0.020	50

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JAN 10...	0945	<1	<10	2	360	<5	70	0.20	3	<10
MAY 09...	0950	<1	<10	2	170	<5	60	<0.10	3	<10
AUG 22...	1315	<1	<10	2	420	<1	110	<0.10	1	10

07341070 HOLLY CREEK EAST OF DIERKS, ARK.

LOCATION.--Lat 34°07'27", long 94°00'19", in SE ¼ NE ¼ sec.29, T.7S., R.28 W., Howard County, Hydrologic Unit 11140109, at bridge on gravel road 0.1 mi north of State Highway 4, 1.0 mi east of Dierks.

PERIOD OF RECORD.--October 1986 to July 1987.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, OCTOBER 1986 TO JULY 1987
WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	Ph (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV 15.	0810	9827	9827	--	14.0	30	7.5	1.0	4.5
DEC 20.	0800	9827	9827	--	10.0	45	9.3	1.9	5.5
20.	0810	9827	9827	--	9.0	15	10.8	0.5	3.5
JAN 17.	0810	9827	9827	7.6	4.0	15	11.8	0.8	3.0
FEB 14.	0810	9827	9827	7.3	10.0	--	10.4	0.5	3.0
MAR 21.	0810	9827	9827	7.2	11.0	15	9.6	0.8	2.5
APR 18.	0800	9827	9827	7.1	17.0	7.0	7.4	0.7	4.0
MAY 16.	0810	9827	9827	7.3	20.0	10	6.6	1.6	3.0
JUN 20.	0810	9827	9827	7.2	22.0	15	--	0.8	2.7
JUL 19.	0810	9827	9827	7.0	22.0	40	7.3	1.0	2.9
AUG 15.	0810	9827	9827	7.1	23.0	7.0	5.6	--	3.7

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
NOV 15.	0810	5.0	65	5	0.050	0.050	0.35	0.40	0.050
DEC 20.	0800	9.0	70	13	0.450	0.290	0.31	0.60	0.150
20.	0810	6.0	49	3	0.640	0.040	0.26	0.30	0.060
JAN 17.	0810	6.0	62	1	0.220	0.060	0.34	0.40	0.050
FEB 14.	0810	6.0	59	15	0.210	0.050	0.35	0.40	0.080
MAR 21.	0810	7.0	34	6	0.300	0.050	0.55	0.60	--
APR 18.	0800	--	74	3	0.320	<0.010	--	0.60	--
MAY 16.	0810	4.0	48	12	0.220	0.040	0.96	1.0	0.130
JUN 20.	0810	3.0	45	--	0.270	<0.010	--	0.60	0.050
JUL 19.	0810	6.0	66	27	0.060	0.050	0.75	0.80	0.090
AUG 15.	0810	5.0	57	4	0.400	0.070	0.42	0.49	0.050

07341070 HOLLY CREEK EAST OF DIERKS, ARK.—CONTINUED

WATER QUALITY DATA, OCTOBER 1986 TO JULY 1987
WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV								
15.	0810	0.030	3	<1	18	10	50	8.9
DEC								
20.	0800	0.080	<1	1	<15	4	20	7.8
20.	0810	0.010	<1	<1	<15	5	80	3.3
JAN								
17.	0810	0.030	<1	<1	<15	5	10	3.6
FEB								
14.	0810	0.040	<1	<1	<15	3	10	5.0
MAR								
21.	0810	0.020	<1	--	<15	23	--	3.4
APR								
18.	0800	<0.010	<1	1	<15	2	10	3.7
MAY								
16.	0810	0.070	<1	<1	<15	2	<10	3.7
JUN								
20.	0810	<0.010	<1	<1	<15	3	20	3.5
JUL								
19.	0810	0.040	<1	<1	<15	2	<10	8.9
AUG								
15.	0810	<0.030	<1	1	<15	--	<10	5.9

07341080 HOLLY CREEK AT DIERKS, ARK

LOCATION.--Lat 34°06'31", long 94°01'10", in NE ¼ SE ¼ sec.31, T 7S, R.28 W., Howard County, Hydrologic Unit 11140109, at bridge on county road, 0.5 mi south of State Highway 70, and 0.3 mi south of Dierks.

PERIOD OF RECORD.--October 1986 to September 1987

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
18...	0800	9827	9827	7.4	17.0	9.0	0.2	--	9.0
NOV									
15...	0800	9827	9827	--	16.0	35	6.4	2.6	5.0
JAN									
17...	0800	9827	9827	7.4	4.0	20	11.2	1.1	4.0
FEB									
14...	0800	9827	9827	7.1	11.0	300	8.5	2.2	2.5
MAR									
21...	0800	9827	9827	7.0	11.0	15	8.9	1.1	4.0
APR									
18...	0800	9827	9827	7.0	17.0	15	6.6	2.6	5.5
MAY									
16...	0800	9827	9827	7.1	21.0	15	5.0	2.2	29
JUN									
20...	0800	9827	9827	7.1	22.0	20	--	1.2	3.4
JUL									
19...	0800	9827	9827	7.0	22.0	50	6.7	1.3	3.3
AUG									
15...	0800	9827	9827	7.1	24.0	15	5.7	4.3	4.3

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
18...	0800	--	146	8	0.030	0.780	0.52	1.3	0.660
NOV									
15...	0800	6.0	81	9	0.070	0.400	0.30	0.70	0.170
JAN									
17...	0800	8.0	69	3	0.240	0.160	0.24	0.40	0.070
FEB									
14...	0800	8.0	130	298	0.260	0.110	1.2	1.3	0.310
MAR									
21...	0800	8.0	64	10	0.280	0.320	0.38	0.70	--
APR									
18...	0800	--	45	7	0.130	0.160	0.44	0.60	--
MAY									
16...	0800	7.0	119	15	0.140	0.230	0.77	1.0	0.180
JUN									
20...	0800	5.0	66	--	0.230	0.100	0.70	0.80	0.110
JUL									
19...	0800	9.0	90	35	0.060	0.050	0.95	1.0	0.110
AUG									
15...	0800	7.0	89	10	0.160	0.240	0.48	0.72	0.140

07341080 HOLLY CREEK AT DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	0800	0.420	<1	<1	<15	2	<0.50	30	15
NOV									
15...	0800	0.110	<1	<1	<15	5	--	30	10
JAN									
17...	0800	0.050	<1	<1	<15	1	--	10	5.4
FEB									
14...	0800	0.130	<1	3	<15	9	--	20	14
MAR									
21...	0800	0.040	<1	--	<15	2	--	--	6.2
APR									
18...	0800	<0.010	<1	1	<15	2	--	80	6.3
MAY									
16...	0800	0.120	<1	<1	<15	3	--	10	7.6
JUN									
20...	0800	0.010	1	<1	<15	2	--	10	6.5
JUL									
19...	0800	0.040	<1	<1	<15	2	--	<10	12
AUG									
15...	0800	0.040	<1	<1	<15	--	--	<10	11

07341200 SALINE RIVER NEAR LOCKESBURG, ARK

LOCATION.--Lat 33°57'43", long 94°03'40", in NW¼SE¼ sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on State Highway 24, 2.0 mi downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 mi^2.

PERIOD OF RECORD.--June 1963 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--26 years, 405 ft^3/s, 293,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft^3/s May 14, 1968, gage height, 20.86 ft, from rating curve extended above 23,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft^3/s Nov. 6, 1963, Oct. 29, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,000 ft^3/s July 19, gage height, 16.60 ft; minimum daily, 10 ft^3/s Oct. 15-19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	35	975	591	896	978	1080	129	723	317	1160	29
2	26	26	941	520	980	962	1070	94	422	218	1030	28
3	22	20	915	495	3670	1050	1030	75	310	329	985	27
4	20	18	896	472	2440	1280	981	288	1080	375	664	27
5	16	15	877	468	823	3890	935	450	1470	173	307	27
6	11	14	867	586	710	1270	912	332	382	119	260	26
7	11	13	861	440	993	1050	894	257	789	103	955	27
8	11	11	862	383	978	1090	737	231	1060	308	316	26
9	11	11	854	364	940	1110	708	226	433	177	220	29
10	11	23	725	354	914	1060	695	223	771	112	180	44
11	11	21	708	230	896	1020	654	215	759	84	148	43
12	11	67	702	238	884	994	243	211	754	68	121	35
13	11	246	669	670	978	960	146	126	2150	348	103	33
14	11	102	310	627	1780	940	137	82	2230	306	88	43
15	10	63	136	528	2390	915	129	71	484	862	78	38
16	10	75	90	374	6450	889	101	383	750	1320	71	33
17	10	66	72	322	2740	866	81	1500	710	548	65	30
18	10	68	69	550	3080	798	80	6330	669	1150	60	28
19	10	4810	68	560	990	786	308	1470	645	4710	56	27
20	13	8610	64	526	816	816	228	821	491	5960	52	26
21	28	1530	53	292	1370	797	225	756	279	536	49	26
22	24	396	53	268	692	615	211	680	142	810	45	26
23	15	790	93	259	922	284	200	800	92	1020	43	25
24	23	940	96	180	1000	149	194	925	82	866	40	27
25	20	843	77	184	1060	128	190	1050	73	961	37	24
26	15	3680	64	812	1040	124	190	991	79	1620	35	24
27	14	3980	69	754	1270	354	141	1620	113	984	33	24
28	655	487	614	670	884	447	121	2330	84	1000	31	24
29	277	730	556	1120	---	4810	134	383	71	994	30	26
30	80	996	535	519	---	3530	135	239	104	967	29	29
31	50	---	551	673	---	567	---	711	---	1030	29	---
TOTAL	1472	28786	14422	15029	42586	34529	12890	23999	18201	28375	7320	881
MEAN	47.5	960	465	485	1521	1114	430	774	607	915	236	29.4
MAX	655	8610	975	1120	6450	4810	1080	6330	2230	5960	1160	44
MIN	10	11	53	180	684	124	80	71	71	68	29	24
AC-FT	2920	57100	28610	29810	84470	68490	25570	47600	36100	56280	14520	1750

CAL YR 1988 TOTAL 146379 MEAN 400 MAX 8610 MIN 10 AC-FT 290300
WTR YR 1989 TOTAL 228490 MEAN 626 MAX 8610 MIN 10 AC-FT 453200

07341300 WILLWOOD LAKE NEAR ASHDOWN, ARK.

LOCATION.--Lat 33°41'28", long 93°57'53", in NW ¼ sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 1140109, at Millwood Dam on Little River 9.2 mi east of Ashdown, 9.6 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 mi².

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
OCT									
04...	1315	80513	80020	0.0	88	8.2	22.5	10.0	0.73
04...	1316	80513	80020	10.0	87	7.9	21.5	8.7	--
04...	1317	80513	80020	20.0	88	7.7	21.5	8.6	--
04...	1318	80513	80020	30.0	89	7.5	21.0	8.2	--
04...	1319	80513	80020	32.0	85	7.5	21.0	8.0	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
NOV									
22...	1100	80513	80020	0.0	75	7.7	11.0	11.7	0.58
22...	1102	80513	80020	10.0	75	7.7	11.0	11.2	--
22...	1104	80513	80020	20.0	76	7.7	10.5	11.1	--
22...	1106	80513	80020	27.0	81	7.7	10.5	10.9	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
DEC									
06...	1030	80513	80020	0.0	38	6.9	10.5	10.7	0.58
06...	1031	80513	80020	10.0	49	6.8	10.0	9.6	--
06...	1032	80513	80020	20.0	51	6.9	10.0	9.4	--
06...	1033	80513	80020	27.0	52	7.0	10.0	9.3	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
09.	1445	80513	80020	0.0	50	7.2	8.5	11.8	0.49	140
09.	1446	80513	80020	3.00	50	7.1	8.0	11.6	--	--
09.	1450	80513	81213	7.00	50	7.2	8.0	11.6	--	--
09.	1451	80513	80020	10.0	49	7.2	8.0	11.5	--	--
09.	1453	80513	80020	20.0	50	7.1	8.0	11.5	--	--
09.	1455	80513	81213	26.0	49	7.1	8.0	11.4	--	--
09	1456	80513	80020	30.0	50	7.1	8.5	11.4	--	--
09.	1457	80513	80020	32.0	47	7.1	8.0	11.4	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
09	1450	40	19	1.6	16	4.5	1.2	14	5.3
09	1455	30	16	1.6	15	4.3	1.1	14	5.4

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
JAN									
09.	1446	--	0.140	0.050	0.020	--	--	--	--
09.	1450	3.4	0.150	0.030	0.020	200	<1	<10	3
09.	1455	3.4	0.160	0.050	0.020	300	<1	<10	6

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
09.	1446	--	--	--	--	--	--	3.10	0.300
09.	1450	650	<5	50	<0.10	3	<10	--	--
09.	1455	660	<5	50	0.20	2	<10	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
FEB									
02...	0850	80513	80020	0.0	57	6.8	12.0	12.0	0.36
02...	0851	80513	80020	10.0	58	6.8	12.0	10.6	--
02...	0852	80513	80020	20.0	58	6.8	11.5	10.8	--
02...	0853	80513	80020	30.0	59	6.8	11.5	10.7	--
02...	0854	80513	80020	35.0	60	6.8	11.0	10.7	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR									
22...	0800	80513	80020	0.0	45	6.9	11.0	12.5	0.12
22...	0801	80513	80020	10.0	47	6.7	10.5	12.0	--
22...	0802	80513	80020	20.0	47	6.5	10.5	11.8	--
22...	0803	80513	80020	27.0	49	6.5	10.5	11.8	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR									
18...	1830	80513	80020	0.0	67	8.3	23.0	10.8	0.94
18...	1831	80513	80020	3.00	66	8.9	22.0	10.7	--
18...	1832	80513	80020	4.00	63	8.5	19.5	10.7	--
18...	1833	80513	80020	6.00	58	8.2	19.0	10.3	--
18...	1834	80513	80020	10.0	56	7.8	18.0	10.1	--
18...	1835	80513	80020	18.0	56	7.3	17.0	9.0	--
18...	1836	80513	80020	20.0	55	7.2	16.5	8.9	--
18...	1837	80513	80020	30.0	55	7.1	16.0	8.3	--
18...	1838	80513	80020	35.0	55	7.0	15.5	8.1	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY										
08.	1200	80513	80020	0.0	68	6.9	21.0	8.8	0.70	3
08.	1201	80513	80020	3.00	67	6.9	20.5	8.7	--	--
08.	1205	80513	81213	7.00	68	6.9	20.5	8.6	--	--
08.	1206	80513	80020	10.0	69	6.9	20.5	8.4	--	--
08.	1208	80513	80020	20.0	69	6.8	20.0	7.8	--	--
08.	1210	80513	81213	27.0	68	6.8	20.0	7.5	--	--
08.	1211	80513	80020	30.0	68	6.7	20.0	7.5	--	--
08.	1212	80513	80020	34.0	67	6.7	20.0	7.4	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAY									
08.	1205	10	7.9	1.7	23	6.8	1.4	20	5.1
08.	1210	20	20	1.5	23	6.9	1.4	20	5.0

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAY									
08.	1201	--	0.020	0.040	0.040	--	--	--	--
08.	1205	4.2	<0.020	0.040	0.030	200	<1	<10	2
08.	1210	4.2	0.030	0.050	0.040	400	1	<10	4

DATE	TIME	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY									
08.	1201	--	--	--	--	--	--	7.30	0.600
08.	1205	680	<5	100	0.10	3	<10	--	--
08.	1210	1200	<5	180	<0.10	5	20	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUN									
21...	0810	80513	80020	0.0	62	7.1	26.0	9.3	0.85
21...	0811	80513	80020	8.00	64	6.9	25.0	6.7	--
21...	0812	80513	80020	10.0	62	6.6	24.0	6.2	--
21...	0813	80513	80020	20.0	56	6.4	24.0	5.2	--
21...	0814	80513	80020	30.0	55	6.3	23.5	4.6	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL									
19...	0930	80513	80020	0.0	71	6.8	27.0	7.0	0.36
19...	0931	80513	80020	10.0	72	6.7	27.0	6.6	--
19...	0932	80513	80020	20.0	71	6.7	27.0	6.6	--
19...	0933	80513	80020	30.0	72	6.7	27.0	6.6	--
19...	0934	80513	80020	35.0	70	6.7	27.0	6.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
AUG									
21...	1230	80513	80020	0.0	63	6.9	29.0	8.1	0.88
21...	1231	80513	80020	3.00	63	7.0	28.5	7.8	--
21...	1235	80513	81213	7.00	63	6.6	27.5	5.3	--
21...	1236	80513	80020	10.0	63	6.5	27.5	4.4	--
21...	1237	80513	80020	20.0	61	6.3	27.0	3.6	--
21...	1238	80513	81213	27.0	60	6.2	27.0	2.4	--
21...	1239	80513	80020	30.0	63	6.1	26.5	1.6	--
21...	1240	80513	80020	34.0	63	6.1	26.0	0.8	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
AUG									
21...	1230	3	--	--	--	--	--	--	--
21...	1235	--	10	4.4	22	6.8	1.3	20	3.6
21...	1238	--	10	5.9	19	5.8	1.2	19	3.4

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG									
21...	1231	--	<0.020	0.040	0.020	--	--	--	--
21...	1235	2.9	<0.020	0.050	0.020	100	2	<10	1
21...	1238	3.4	<0.020	0.050	0.020	200	2	<10	2

DATE	TIME	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG									
21...	1231	--	--	--	--	--	--	14.0	1.20
21...	1235	450	<1	230	0.10	<1	<10	--	--
21...	1238	580	<1	500	0.10	1	<10	--	--

07341300 WILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
06...	1100	80513	80020	0.0	68	6.9	29.0	7.7	0.55
06...	1101	80513	80020	10.0	69	6.6	28.5	5.5	--
06...	1102	80513	80020	15.0	72	6.3	27.5	1.2	--
06...	1103	80513	80020	20.0	74	6.1	27.0	0.4	--
06...	1104	80513	80020	30.0	77	6.2	26.5	0.3	--
06...	1105	80513	80020	34.0	83	6.2	26.5	0.2	--

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, ARK.

LOCATION.--Lat 33°41'28", long 93°57'53", in NW ¼ sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwood Dam, 9.2 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 mi^2.

PERIOD OF RECORD.--April 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1980.
WATER TEMPERATURES: October 1979 to September 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT											
04...	1350	80513	80020	91	7.8	22.5	10.7	--	--	--	--
NOV											
22...	1115	80513	80020	81	7.4	11.0	13.5	--	--	--	--
DEC											
06...	1100	80513	80020	52	7.1	11.0	12.5	--	--	--	--
JAN											
09...	1530	80513	81213	48	7.2	8.0	13.9	140	40	15	1.4
FEB											
02...	0945	80513	80020	58	6.9	12.0	12.0	--	--	--	--
MAR											
22...	0710	80513	80020	49	6.5	10.5	13.1	--	--	--	--
APR											
18...	1800	80513	80020	62	7.4	19.0	10.5	--	--	--	--
MAY											
08...	1240	80513	81213	65	6.7	20.5	10.1	9	20	14	1.6
JUN											
21...	0745	80513	80020	56	6.3	24.5	7.9	--	--	--	--
JUL											
19...	1000	80513	80020	71	6.8	27.5	8.7	--	--	--	--
AUG											
21...	1200	80513	81213	63	6.4	28.0	8.8	77	10	6.4	2.3
SEP											
06...	1130	80513	80020	69	6.8	28.5	8.6	--	--	--	--

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
JAN											
09...	1530	16	4.4	1.1	12	5.2	3.3	0.140	0.050	0.020	300
MAY											
08...	1240	19	5.7	1.2	16	4.7	4.8	0.070	0.050	0.040	300
AUG											
21...	1200	22	6.5	1.3	20	3.6	3.6	<0.020	0.050	0.020	200

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JAN										
09...	1530	<1	<10	3	750	<5	50	<0.10	2	10
MAY										
08...	1240	<1	<10	2	860	<5	100	<0.10	3	<10
AUG										
21...	1200	2	<10	1	490	1	260	0.10	1	<10

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARK.

LOCATION.--Lat 33°14'32", long 93°59'58", in SE ¼ SE ¼ sec.28, T.17 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 13.5 mi south of Texarkana.

DRAINAGE AREA.--3,540 mi².

PERIOD OF RECORD.--October 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1981.
WATER TEMPERATURES: July 1979 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 18.	1240	9827	9827	12	6.7	23.0	30	8.0	2.7
NOV 15.	1310	9827	9827	614	--	16.0	45	5.6	1.8
DEC 20.	1240	9827	9827	9150	--	12.0	40	8.5	0.5
JAN 17.	1310	9827	9827	1670	7.5	8.0	25	9.5	1.2
FEB 14.	1240	9827	9827	7060	6.9	9.0	35	9.8	1.6
MAR 21.	1100	9827	9827	9560	7.2	12.0	30	8.8	1.2
APR 18.	1310	9827	9827	4170	7.4	20.0	15	6.2	0.6
MAY 16.	1200	9827	9827	767	7.6	22.0	40	6.0	2.0
JUN 20.	1325	9827	9827	10'00	7.5	28.0	10	--	2.2
JUL 19.	1240	9827	9827	10200	7.2	26.0	6.0	4.1	1.1
AUG 15.	1215	9827	9827	7950	7.4	26.0	5.0	3.9	0.9
SEP 19.	1515	9827	9827	539	7.9	29.0	3.5	11.4	1.1

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	1240	22	--	199	44	0.100	0.020	0.130	0.040
NOV 15.	1310	18	15	129	54	0.140	0.080	0.130	0.060
DEC 20.	1240	5.5	11	112	7	0.120	0.060	0.180	0.130
JAN 17.	1310	11	17	133	12	0.220	0.130	0.130	0.080
FEB 14.	1240	9.0	17	147	19	0.150	0.080	0.170	0.110
MAR 21.	1100	8.5	18	139	13	0.260	0.270	--	0.100
APR 18.	1310	23	--	173	4	0.220	0.020	--	0.050
MAY 16.	1200	7.0	15	111	54	0.110	0.110	0.160	0.100
JUN 20.	1325	5.1	11	107	--	0.160	<0.010	0.160	0.070
JUL 19.	1240	4.4	9.0	115	12	0.060	<0.050	0.170	0.090
AUG 15.	1215	4.9	10	120	8	0.120	<0.050	0.110	0.040
SEP 19.	1515	100	40	345	4	9.80	<0.050	2.45	1.92

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1240	<1	<1	<15	5	<0.50	10	11
NOV								
15.	1310	<1	1	<15	<1	--	10	9.6
DEC								
20.	1240	<1	<1	15	8	--	<10	9.9
JAN								
17.	1310	<1	2	<15	3	--	<10	12
FEB								
14.	1240	<1	<1	<15	1	--	10	11
MAR								
21.	1100	<1	--	19	3	--	--	9.6
APR								
18.	1310	<1	1	<15	1	--	10	14
MAY								
16.	1200	<1	<1	<15	3	--	<10	11
JUN								
20.	1325	<1	<1	<15	3	--	20	10
JUL								
19.	1240	<1	1	<15	2	--	10	9.6
AUG								
15.	1215	<1	<1	<15	--	--	<10	8.8
SEP								
19.	1515	<1	2	17	--	<0.40	--	6.9

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARK.

LOCATION.--Lat 33°19'06", long 94°00'16", in sec.33, T.16 S., R 28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 4.4 mi south of junction U.S. Highway 71 and State Highway 237, and 7.8 mi southeast of Texarkana.

DRAINAGE AREA.--78.5 mi².

PERIOD OF RECORD.--December 1973 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT										
04...	0900	80513	80513	12	435	--	22.0	--	--	--
18...	1230	9827	9827	10	--	6.6	23.0	4.0	8.2	1.6
NOV										
15...	1300	9827	9827	50	--	--	--	35	6.5	--
DEC										
20...	1250	9827	9827	45	--	--	14.0	20	9.2	0.9
JAN										
17...	1250	9827	9827	88	--	7.7	9.0	25	9.2	1.3
FEB										
14...	1230	9827	9827	E31000	--	6.8	9.0	130	6.8	3.0
MAR										
21...	1230	9827	9827	15	--	6.8	12.0	15	8.9	2.4
APR										
18...	1245	9827	9827	40	--	7.1	22.0	15	7.6	2.0
MAY										
16...	1230	9827	9827	55	--	9.3	21.0	35	7.0	2.7
JUN										
20...	1515	9827	9827	25	--	7.4	25.0	9.0	--	1.4
JUL										
19...	1230	9827	9827	160	--	7.0	25.0	35	5.5	3.5
AUG										
15...	1200	9827	9827	31	--	7.4	26.0	4.0	7.2	1.7

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT										
18...	1230	130	--	490	6	16.0	0.060	1.2	1.3	2.70
NOV										
15...	1300	40	36	196	31	2.90	0.360	0.64	1.0	0.590
DEC										
20...	1250	55	33	235	11	4.40	0.270	0.63	0.90	0.800
JAN										
17...	1250	28	25	174	18	2.50	0.280	0.92	1.2	0.540
FEB										
14...	1230	8.0	9.0	120	121	0.550	0.260	0.84	1.1	0.360
MAR										
21...	1230	560	34	1130	25	7.30	0.460	--	--	--
APR										
18...	1245	38	--	192	10	4.20	0.080	1.2	1.3	--
MAY										
16...	1230	24	19	173	45	2.60	0.140	1.1	1.2	0.400
JUN										
20...	1515	41	31	213	--	6.50	<0.010	--	1.1	0.520
JUL										
19...	1230	16	13	129	35	1.30	0.160	1.0	1.2	0.240
AUG										
15...	1200	52	34	168	6	8.60	0.060	0.90	0.96	0.830

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	1230	2.50	<1	1	<15	3	<0.50	40	11
NOV									
15...	1300	0.330	1	1	<15	<1	--	60	9.2
DEC									
20...	1250	0.630	<1	<1	<15	5	--	20	8.5
JAN									
17...	1250	0.300	1	3	<15	5	--	30	11
FEB									
14...	1230	0.180	<1	2	<15	16	--	50	8.7
MAR									
21...	1230	0.380	<1	--	<15	21	--	--	9.3
APR									
18...	1245	0.290	<1	3	<15	2	--	<10	9.2
MAY									
16...	1230	0.310	<1	<1	<15	7	--	40	10
JUN									
20...	1515	0.380	<1	<1	<15	1	--	60	8.7
JUL									
19...	1230	0.150	1	3	16	11	--	10	12
AUG									
15...	1200	0.640	<1	1	<15	--	--	10	8.6

07344350 RED RIVER NEAR SPRING BANK, ARK.

LOCATION.--Lat 33°05'29", long 93°51'38", in NW ¼ sec.24, T.19 S., R.27 W., Miller County, Hydrologic Unit 11140201, at ferry landing, 1.8 mi west of Spring Bank.

DRAINAGE AREA.--56,909 mi^2.

PERIOD OF RECORD.--October 1968 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT 18.	1320	9827	9827	4210	7.3	24.0	20	9.2	4.0
NOV 15.	1340	9827	9827	5580	--	18.0	65	7.8	1.7
DEC 20.	1330	9827	9827	17200	--	11.0	75	8.0	0.6
JAN 17.	1340	9827	9827	14900	7.5	8.0	40	9.3	1.3
FEB 14.	1320	9827	9827	32100	6.9	10.0	50	9.2	0.9
MAR 21.	1300	9827	9827	25400	7.2	12.0	50	7.7	0.7
APR 18.	1330	9827	9827	14900	7.9	21.0	40	6.7	0.5
MAY 16.	1315	9827	9827	10600	7.8	22.0	45	7.4	2.1
JUN 20.	1400	9827	9827	84300	7.7	26.0	40	--	0.9
JUL 19.	1310	9827	9827	62900	7.5	26.0	70	4.9	1.1
AUG 15.	1245	9827	9827	19300	7.6	26.0	45	5.7	1.5
SEP 19.	1615	9827	9827	19500	7.9	28.0	250	7.1	2.2

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	1320	230	--	867	33	0.180	0.050	0.130	0.070
NOV 15.	1340	12	100	471	75	0.940	0.130	0.310	0.200
DEC 20.	1330	6.5	11	112	73	0.110	0.060	0.200	0.120
JAN 17.	1340	12	15	123	39	0.310	0.120	0.170	0.100
FEB 14.	1320	7.5	15	136	46	0.150	0.070	0.170	0.100
MAR 21.	1300	11	20	152	58	0.240	0.080	--	0.100
APR 18.	1330	23	--	184	9	0.130	<0.010	--	<0.020
MAY 16.	1315	37	40	211	67	0.220	0.030	0.140	0.100
JUN 20.	1400	19	24	157	--	0.150	<0.010	0.170	0.060
JUL 19.	1310	32	42	206	119	0.110	<0.050	0.130	0.060
AUG 15.	1245	5.3	9.0	126	84	0.120	<0.050	0.170	0.040
SEP 19.	1615	67	64	308	289	0.570	<0.050	0.360	0.040

07344350 RED RIVER NEAR SPRING BANK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1320	1	3	<15	5	<0.50	20	11
NOV								
15.	1340	<1	<1	23	3	--	10	8.0
DEC								
20.	1330	<1	<1	18	6	--	<10	10
JAN								
17.	1340	<1	1	<15	3	--	<10	11
FEB								
14.	1320	<1	3	<15	14	--	20	9.6
MAR								
21.	1300	<1	--	<15	14	--	--	10
APR								
18.	1330	<1	1	<15	6	--	<10	11
MAY								
16.	1315	<1	<1	--	2	--	<10	8.3
JUN								
20.	1400	<1	1	<15	5	--	10	9.1
JUL								
19.	1310	1	1	<15	3	--	80	9.0
AUG								
15.	1245	<1	1	<15	--	--	<10	8.3
SEP								
19.	1615	<1	4	37	--	<0.40	--	6.6

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.

LOCATION.--Lat 33°05'53", long 93°22'53", in SE ¼ sec.9, T.19 S., R.22 W., Columbia County, Hydrologic Unit 11140203, at bridge on State Highway 160, 4.4 mi east of Taylor.

DRAINAGE AREA.--389 mi²

PERIOD OF RECORD.--October 1973 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
NOV									
15.	1145	9827	9827	32	--	16.0	4.7	6.4	1.9
DEC									
06.	1410	9827	9827	766	--	18.0	4.5	8.5	1.4
JAN									
03.	1100	9827	9827	1460	6.5	9.0	5.5	8.2	1.2
31.	0800	9827	9827	664	6.3	10.0	5.0	7.7	0.8
FEB									
28.	1220	9827	9827	1180	5.5	9.0	6.0	8.9	0.4
APR									
04.	0845	9827	9827	2200	6.2	19.0	6.5	4.8	0.9
MAY									
02.	1130	9827	9827	104	6.2	19.0	7.7	5.4	1.3
JUN									
06.	1343	9827	9827	152	6.3	24.0	15	5.2	1.8
AUG									
01.	1000	9827	9827	459	6.4	27.0	--	4.4	2.3
29.	1010	9827	9827	7.7	6.7	27.0	10	2.2	2.0
SEP									
05.	0945	9827	9827	31	6.7	25.0	8.0	2.9	1.1

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
NOV									
15.	1145	250	6.0	458	5	0.010	0.040	0.040	<0.010
DEC									
06.	1410	40	7.0	113	<1	0.020	0.040	0.040	0.010
JAN									
03.	1100	28	6.0	123	2	0.110	<0.010	0.060	0.020
31.	0800	42	6.0	124	3	0.090	0.030	0.010	0.020
FEB									
28.	1220	27	6.0	102	2	0.080	0.050	0.050	0.030
APR									
04.	0845	16	8.0	63	5	0.100	0.140	0.120	--
MAY									
02.	1130	75	6.0	211	12	0.030	0.060	0.080	<0.010
JUN									
06.	1343	32	6.0	118	16	0.050	0.060	0.060	<0.010
AUG									
01.	1000	21	8.0	100	--	0.100	0.060	0.060	<0.030
29.	1010	51	5.0	--	8	0.060	0.120	0.060	<0.030
SEP									
05.	0945	48	7.0	162	7	0.100	0.090	0.060	<0.030

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV								
15...	1145	<1	<1	<15	2	--	--	13
DEC								
06...	1410	--	--	<15	9	--	--	14
JAN								
03...	1100	1	1	22	4	--	70	13
31...	0800	1	1	15	5	--	150	13
FEB								
28...	1220	<1	1	<15	3	--	30	10
APR								
04...	0845	<1	1	31	2	--	110	14
MAY								
02...	1130	1	1	39	5	--	20	13
JUN								
06...	1343	1	2	8	4	--	40	13
AUG								
01...	1000	<1	1	<15	<2	--	30	16
29...	1010	<1	2	<15	2	--	--	14
SEP								
05...	0945	<1	<1	<15	2	<0.40	30	15

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.

LOCATION.--Lat 33°15'42", long 93°33'05", in SE ¼ sec. 14, T. 17 S., R. 24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.

PERIOD OF RECORD.--April 1974 to September 1977, October 1978 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV									
15.	1215	9827	9827	--	--	12.0	15	4.4	2.6
DEC									
06.	1445	9827	9827	115	--	9.0	6.5	6.0	1.3
JAN									
03.	1140	9827	9827	1100	6.6	9.0	9.0	7.9	1.0
31.	0720	9827	9827	285	6.4	10.0	10	6.8	0.6
FEB									
28.	1305	9827	9827	460	5.5	9.0	8.0	8.5	0.9
APR									
04.	0800	9827	9827	630	6.3	18.0	9.0	4.4	1.4
MAY									
02.	1200	9827	9827	--	6.6	21.0	6.4	3.4	1.7
JUN									
06.	1306	9827	9827	230	6.4	23.5	20	4.0	1.4
AUG									
01.	0930	9827	9827	--	6.5	26.0	--	2.6	1.3
29.	0935	9827	9827	--	6.7	27.5	7.0	5.1	2.4
SEP									
05.	0900	9827	9827	0.0	6.7	26.0	6.5	3.3	0.8

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
NOV								
15.	1215	49	7.0	145	6	0.070	0.070	0.110
DEC								
06.	1445	14	8.0	78	<1	0.010	0.040	0.080
JAN								
03.	1140	13	9.0	99	3	0.020	0.030	0.100
31.	0720	27	6.0	108	4	0.080	0.050	0.070
FEB								
28.	1305	10	6.0	77	3	0.070	0.050	0.080
APR								
04.	0800	12	6.0	47	3	<0.010	0.030	0.150
MAY								
02.	1200	18	7.0	114	8	0.140	0.120	0.170
JUN								
06.	1306	30	6.0	123	15	0.190	0.070	0.150
AUG								
01.	0930	12	10	100	--	0.160	0.070	0.170
29.	0935	21	5.0	--	8	0.040	<0.050	0.120
SEP								
05.	0900	34	5.0	144	8	0.080	<0.050	0.110

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV								
15.	1215	0.060	<1	1	<15	4	--	13
DEC								
06.	1445	0.050	--	--	<15	16	--	17
JAN								
03.	1140	0.060	1	1	23	4	50	16
31.	0720	0.060	<1	<1	<15	<1	30	13
FEB								
28.	1305	0.050	<1	<1	54	<1	--	11
APR								
04.	0800	--	<1	1	25	5	30	15
MAY								
02.	1200	0.080	<1	1	25	5	60	16
JUN								
06.	1306	0.050	1	1	24	7	80	14
AUG								
01.	0930	0.080	<1	2	<15	<2	40	17
29.	0935	0.040	<1	1	<15	<2	--	11
SEP								
05.	0900	0.060	2	<1	<15	2	<10	12

07355825 PRAIRIE CREEK NEAR MENA, ARK.

LOCATION.--Lat 34°34'14", long 94°11'16", in NW ¼ NE ¼ sec.22, T.2 S., R.30 W., Polk County, Hydrologic Unit 08040101, on county road running between State Highways 8 and 88, 2.0 mi east of junction of county road and State Highway 8.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 11...	1300	9827	9827	7.4	18.0	15	--	--	29
NOV 08...	1345	9827	9827	7.4	15.0	5.0	7.9	2.8	26
DEC 13...	1225	9827	9827	7.2	8.0	15	11.7	2.2	8.5
JAN 10...	1340	9827	9827	7.8	6.0	20	12.5	1.7	5.5
FEB 07...	1340	9827	9827	7.1	4.0	7.5	--	1.2	4.0
MAR 14...	1240	9827	9827	6.7	17.0	7.0	10.1	3.1	5.5
APR 11...	1330	9827	9827	7.4	14.0	5.5	12.4	3.2	7.5
MAY 09...	1215	9827	9827	7.2	20.0	35	9.2	2.7	4.1
JUN 13...	1302	9827	9827	7.2	21.0	80	7.5	4.5	3.8
JUL 11...	1400	9827	9827	7.3	29.0	5.8	8.0	1.5	11
AUG 08...	1215	9827	9827	7.5	24.0	6.0	7.6	0.7	--
SEP 12...	1320	9827	9827	7.4	25.0	7.5	7.1	1.6	13

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT 11...	1300	28	--	25	1.60	0.200	2.1	2.3	2.80
NOV 08...	1345	32	159	7	0.900	0.070	1.4	1.5	1.08
DEC 13...	1225	11	68	8	0.510	0.310	0.59	0.90	0.320
JAN 10...	1340	7.0	58	7	0.400	0.210	0.39	0.60	0.140
FEB 07...	1340	6.0	34	3	0.440	0.120	0.18	0.30	0.100
MAR 14...	1240	7.0	55	7	0.360	0.160	0.44	0.60	0.140
APR 11...	1330	16	63	6	0.330	0.250	0.45	0.70	0.180
MAY 09...	1215	8.0	61	24	0.390	0.110	0.69	0.80	0.120
JUN 13...	1302	--	62	87	0.110	<0.010	--	1.7	--
JUL 11...	1400	--	94	7	0.340	0.070	0.43	0.50	0.080
AUG 08...	1215	--	84	6	0.520	<0.050	--	0.75	0.160
SEP 12...	1320	27	99	8	0.600	0.050	0.83	0.88	0.240

07355825 PRAIRIE CREEK NEAR MENA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
11...	1300	2.10	--	<1	19	<1	<0.50	<10	--
NOV									
08...	1345	0.780	--	<1	--	--	--	<10	11
DEC									
13...	1225	0.200	1	1	<15	6	--	<10	7.3
JAN									
10...	1340	0.130	--	<1	<15	3	--	<10	4.5
FEB									
07...	1340	0.060	<1	<1	<15	<1	--	<10	3.2
MAR									
14...	1240	0.170	--	2	<15	1	--	10	4.2
APR									
11...	1330	0.070	2	<1	--	<1	--	<10	4.7
MAY									
09...	1215	0.050	4	<1	<15	3	--	10	7.6
JUN									
13...	1302	0.050	2	5	27	6	--	60	9.9
JUL									
11...	1400	0.040	2	<1	<15	1	--	<10	4.3
AUG									
08...	1215	0.070	1	<1	--	<2	--	<10	4.0
SEP									
12...	1320	--	1	<1	<15	<2	<0.40	<10	5.6

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.

LOCATION.--Lat 34°36'36", long 93°41'50", in SE¼SW¼ sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941 to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft downstream at present datum.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair. As of August 1977, flow from 34.3 mi² upstream from this astation is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,355 acre-ft is sediment storage.

AVERAGE DISCHARGE.--48 years, 722 ft³/s, 523,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s Dec. 3, 1982, gage height, 39.78 ft, from floodmarks; minimum, 2.3 ft³/s Aug. 25, 1954, gage height, 1.03 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 3, 1982, was about 4.0 ft higher than that of 1908 and is the highest since at least that date, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Nov. 20	0900	13,000	14.81	Feb. 15	2200	*13,400	*15.07
Nov. 26	1500	*13,400	15.06	May 18	0700	12,300	14.40

Minimum discharge, 30 ft³/s Nov. 9, gage height, 1.28 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	40	910	902	1340	1460	1490	2640	559	172	320	84
2	39	39	766	721	1270	1190	1190	1190	958	166	300	71
3	40	47	654	617	6460	1050	1020	1230	857	187	257	63
4	42	38	542	e555	2880	1210	853	1410	1700	166	215	62
5	39	36	400	e500	1850	2940	693	1680	2730	144	186	58
6	57	33	338	e900	1410	1900	587	1200	6500	128	160	53
7	94	33	294	e600	1160	1470	514	880	2330	120	144	49
8	99	34	310	e490	1020	1350	460	695	1750	305	145	46
9	102	30	385	e410	903	1330	406	1260	1270	204	127	49
10	101	35	325	e470	792	1300	356	1390	957	173	113	51
11	99	32	296	e440	725	1200	319	822	792	146	102	225
12	98	45	275	e450	674	1070	292	612	838	136	94	182
13	96	146	255	e950	856	949	269	515	1060	394	88	135
14	95	232	232	1050	1630	837	271	458	1640	340	83	184
15	180	152	212	950	8450	725	354	397	1090	499	80	219
16	251	117	194	789	9640	624	343	433	857	1600	81	173
17	253	106	176	670	4410	552	279	2040	686	1170	79	145
18	242	168	163	592	4740	501	497	7860	551	3250	81	119
19	240	4430	155	519	2910	478	1210	2890	449	2970	77	100
20	259	9000	149	452	2220	528	716	1900	373	1810	80	88
21	296	2180	143	394	2190	530	521	2160	312	1060	68	80
22	238	1350	147	346	1650	488	423	1670	263	776	61	74
23	212	1040	563	315	1340	431	348	2040	226	621	56	68
24	194	843	670	292	1150	391	294	1250	197	533	54	65
25	126	746	511	305	1010	359	255	935	176	824	50	61
26	98	10200	415	3350	908	355	227	719	164	646	47	58
27	79	4180	981	2860	2110	1200	206	2360	196	481	45	57
28	64	1940	3890	1850	2230	1400	186	2520	216	456	49	55
29	55	1380	1980	4420	---	6600	172	1320	189	348	58	56
30	50	1100	1350	2540	---	3700	3250	919	173	283	55	69
31	44	---	1060	1730	---	2100	---	697	---	308	105	---
TOTAL	3919	39752	18741	31429	67928	40218	18001	48092	29859	20416	3460	2799
MEAN	126	1325	605	1014	2426	1297	600	1551	995	659	112	93.3
MAX	296	10200	3890	4420	9640	6600	3250	7860	6500	3250	320	225
MIN	37	30	143	292	674	355	172	397	164	120	45	46
AC-FT	7770	78850	37170	62340	134700	79770	35700	95390	59230	40500	6860	5550

CAL YR 1988 TOTAL 176651 MEAN 483 MAX 10200 MIN 19 AC-FT 350400
WTR YR 1989 TOTAL 324614 MEAN 889 MAX 10200 MIN 30 AC-FT 643900

e Estimated

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-52, April 1974 to current year.

PERIOD OF DAILY RECORD.--
  SPECIFIC CONDUCTANCE: October 1949 to September 1952.
  WATER TEMPERATURES: October 1949 to September 1952.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 18.	0840	9827	9827	244	7.6	19.0	4.0	8.5	0.8
NOV 01.	0835	9827	9827	40	7.9	14.0	3.5	9.5	0.4
DEC 20.	0830	9827	9827	148	7.1	9.0	9.0	11.0	0.3
JAN 18.	0815	9827	9827	604	7.3	7.0	10	11.7	1.0
FEB 14.	1354	9827	9827	--	6.9	9.0	15	10.7	1.1
MAR 21.	1355	9827	9827	532	7.5	11.0	6.5	10.3	1.4
APR 18.	1425	9827	9827	246	7.5	23.0	3.0	10.0	0.9
MAY 16.	1425	9827	9827	412	7.4	21.0	5.5	8.6	1.4
JUN 06.	1345	9827	9827	5400	7.1	20.0	60	7.8	3.0
JUL 18.	1230	9827	9827	3190	7.1	22.0	55	7.6	2.3
AUG 15.	1315	9827	9827	80	7.6	27.0	3.0	8.4	2.5
SEP 19.	1440	9827	9827	98	7.7	25.0	4.5	8.9	1.2

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	0840	2.5	3.0	60	1	0.010	0.010	0.030	0.020
NOV 01.	0835	3.0	6.0	55	1	0.010	0.010	0.030	0.020
DEC 20.	0830	2.5	5.0	44	1	0.290	0.020	0.040	0.020
JAN 18.	0815	3.0	5.0	52	1	0.280	0.020	0.050	0.030
FEB 14.	1354	3.0	4.0	55	9	0.300	0.050	0.060	0.020
MAR 21.	1355	2.5	6.0	40	--	0.090	0.040	0.070	0.010
APR 18.	1425	3.0	--	43	2	<0.010	<0.010	--	<0.010
MAY 16.	1425	2.1	3.0	41	4	0.060	<0.010	0.070	0.060
JUN 06.	1345	3.0	6.0	55	64	0.130	0.040	0.140	0.020
JUL 18.	1230	2.8	5.0	56	--	0.150	0.070	0.110	0.030
AUG 15.	1315	2.8	3.0	50	4	<0.020	<0.050	<0.030	<0.030
SEP 19.	1440	3.2	5.0	48	4	0.140	--	0.040	<0.030

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	0840	<1	<1	--	<1	<0.50	--	2.7
NOV								
01.	0835	<1	<1	<15	7	--	<10	2.8
DEC								
20.	0830	<1	<1	<15	1	--	<10	2.0
JAN								
18.	0815	--	4	<15	1	--	<10	2.0
FEB								
14.	1354	1	57	28	<1	--	1000	2.7
MAR								
21.	1355	<1	1	--	1	--	20	2.5
APR								
18.	1425	<1	<1	<15	<1	--	<10	2.2
MAY								
16.	1425	<1	<1	<15	<1	--	<10	2.1
JUN								
06.	1345	1	1	<15	3	--	20	7.2
JUL								
18.	1230	<1	<1	<15	2	--	--	7.6
AUG								
15.	1315	<1	2	<15	<2	--	60	2.0
SEP								
19.	1440	1	1	<15	25	<0.40	10	3.0

07359500 OUACHITA RIVER NEAR MALVERN, ARK.

LOCATION.--Lat 34°23'10", long 92°50'20", in NW¼ sec.16, T.4 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, near right bank on downstream side of bridge on State Highway 84, 2.0 mi northwest of Malvern, 5.8 mi downstream from Remmel Dam, and at mile 450.1.

DRAINAGE AREA.--1,585 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1925 (fragmentary), October 1925 to April 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft above National Geodetic Vertical Datum of 1929. March 1903 to April 1905, nonrecording gage at present site at datum 2.0 ft higher. June 1922 to September 1924, nonrecording gage at present site and datum. January 1925 to March 1937, water-stage recorder at Remmel Dam, 5.8 mi upstream at datum 20.11 ft higher.

REMARKS.--Water-discharge records fair except for estimated daily discharges, which are poor. Flow regulated since 1925 by Lake Catherine, 5.8 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--62 years (1925-26, 1928-89), 2,424 ft^3/s, 1,756,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 ft^3/s May 15, 1923, gage height, 30.3 ft; minimum, 34 ft^3/s May 15, 1977, gage height, 0.33 ft; minimum daily observed, 40 ft^3/s Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 44,400 ft^3/s Nov. 19, gage height, 19.53 ft; minimum daily, 380 ft^3/s Oct. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	931	2220	3360	e800	2150	8350	9140	1260	3530	e2100	2530	2670
2	571	2330	3490	e1600	2060	7500	7340	1360	3520	e1600	2430	2720
3	493	2220	3500	e2300	11100	7530	7400	2870	1140	1390	3020	2330
4	506	2510	3300	e1300	9170	7930	8000	2550	2230	751	3070	1430
5	380	1060	3480	e2100	6520	11400	6940	2630	3020	1300	2670	1810
6	471	554	2480	e1800	6430	8510	7110	2680	3210	2490	2990	1820
7	511	1970	3490	e1500	6360	7860	6470	1030	4710	2040	2150	1640
8	477	1810	2770	e670	2860	7320	7180	2280	5120	2910	1010	1830
9	486	1750	3520	e2300	2760	5850	7080	2310	4520	1740	629	2150
10	1420	1680	3520	e2600	2760	5950	6680	1900	3160	2610	1040	1120
11	1910	2100	3170	e2300	2750	7530	6340	2280	3570	3340	689	1900
12	2060	1030	3510	3720	2430	7780	5980	2210	2810	3560	913	2060
13	1530	561	3550	3750	2520	5130	4000	1480	3590	4000	935	2150
14	2190	1990	3420	3930	10100	4070	3410	1950	2800	2830	1500	1410
15	1870	1080	3390	3370	10500	5340	3070	2220	2800	3640	2890	1750
16	575	1270	3410	3300	14100	6080	2330	2570	2740	4090	3480	1330
17	1850	698	2940	2890	10400	5890	2800	2490	2420	3740	2230	1350
18	1730	3140	2730	2960	9680	5700	3580	2970	2770	6660	2240	2050
19	2060	32300	2770	2630	7260	5720	3400	3250	2220	7030	1560	2000
20	2400	15900	3080	3090	6620	e5500	2250	3360	2140	3790	1940	2290
21	1600	3580	3380	2900	7660	e5800	1070	2450	1850	4000	1800	2290
22	513	3230	2080	1120	8410	6200	612	2950	2140	3670	2190	2020
23	685	3030	1620	1650	8230	5280	678	3610	2070	3920	2670	1900
24	1720	2790	e640	1000	7260	3930	1990	3590	1480	3970	2350	967
25	1900	2750	e460	1650	7170	2730	2640	3150	1710	3360	2220	1740
26	2090	9210	e740	1570	7610	2700	2570	3570	1460	3430	1820	2020
27	2030	8950	e1800	2540	7710	3400	2440	2340	1540	3220	1730	2490
28	2260	5520	e4200	2730	8460	5470	2310	832	1860	2190	1910	1820
29	677	3490	e4200	2170	---	21500	1740	1770	e850	2000	2400	2600
30	481	3490	e2900	1500	---	10000	2880	2460	e1700	1930	2290	1930
31	646	---	e2400	1580	---	7500	---	3520	---	2410	2180	---
TOTAL	39023	124213	89300	69320	191040	211450	129430	75892	78680	95711	63476	57587
MEAN	1259	4140	2881	2236	6823	6821	4314	2448	2623	3087	2048	1920
MAX	2400	32300	4200	3930	14100	21500	9140	3610	5120	7030	3480	2720
MIN	380	554	460	670	2060	2700	612	832	850	751	629	967
AC-FT	77400	246400	177100	137500	378900	419400	256700	150500	156100	189800	125900	114200

CAL YR 1988 TOTAL 1003545 MEAN 2742 MAX 32300 MIN 375 AC-FT 1991000
WTR YR 1989 TOTAL 1225122 MEAN 3356 MAX 32300 MIN 380 AC-FT 2430000

e Estimated

07359500 OUACHITA RIVER NEAR MALVERN, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-50, October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
APR									
18.	1610	9827	9827	3820	7.3	17.0	3.5	10.5	1.3
MAY									
16.	1600	9827	9827	3600	7.3	17.0	4.0	9.0	2.6
JUN									
06.	1545	9827	9827	3560	7.1	17.0	5.0	8.9	1.7
JUL									
18.	1410	9827	9827	6530	6.9	21.0	6.0	7.6	2.3
AUG									
15.	1445	9827	9827	3550	7.3	24.0	3.5	7.9	3.6
SEP									
19.	1615	9827	9827	3040	7.3	22.0	3.5	7.8	2.6

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
APR									
18.	1610	10	--	62	3	0.220	0.380	--	0.010
MAY									
16.	1600	9.1	12	68	6	0.240	0.380	0.080	0.070
JUN									
06.	1545	3.6	6.0	44	5	0.110	0.030	0.060	<0.010
JUL									
18.	1410	14	6.0	78	--	0.130	0.050	0.080	<0.030
AUG									
15.	1445	4.0	6.0	46	6	0.140	<0.050	0.050	<0.030
SEP									
19.	1615	19	20	76	5	0.530	--	0.060	<0.030

DATE	TIME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR								
18.	1610	<1	1	<15	<1	--	<10	3.3
MAY								
16.	1600	<1	<1	<15	<1	--	20	3.5
JUN								
06.	1545	1	1	<15	<1	--	20	3.1
JUL								
18.	1410	1	<1	<15	1	--	--	4.3
AUG								
15.	1445	<1	2	<15	2	--	100	3.8
SEP								
19.	1615	2	1	<15	12	<0.40	<10	2.9

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.

LOCATION.--Lat 34°14'16", long 92°57'32", in NE ¼ sec.5, T.5 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on U.S. Highway 67, 2.0 mi west of Donaldson, 3.6 mi downstream from Black Branch.

DRAINAGE AREA.--1,732 mi².

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
18.	1325	9827	9827	2160	7.2	20.0	2.5	7.7	1.7
NOV									
01.	1320	9827	9827	1470	7.7	15.0	3.0	10.0	1.0
DEC									
20.	1355	9827	9827	3180	7.1	--	8.0	10.1	0.9
JAN									
17.	0915	9827	9827	4040	7.4	6.0	15	12.1	1.3
FEB									
14.	0800	9827	9827	E13400	6.8	10.0	95	9.7	1.7
MAR									
21.	0810	9827	9827	7330	7.1	10.0	35	9.6	0.9
APR									
18.	0835	9827	9827	3860	7.2	15.0	4.0	9.3	1.4
MAY									
16.	0845	9827	9827	2920	7.2	17.0	4.0	8.1	2.5
JUN									
06.	0825	9827	9827	3940	7.1	15.0	4.5	7.8	2.4
JUL									
18.	0720	9827	9827	7600	7.0	20.0	15	7.3	3.2
AUG									
15.	0830	9827	9827	2800	7.2	21.0	4.0	6.7	2.3
SEP									
19.	0930	9827	9827	2520	7.1	19.0	4.0	6.5	2.2

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	1325	22	8.0	103	4	0.400	0.040	0.030	0.050
NOV									
01.	1320	3.5	8.0	72	2	<0.010	0.020	0.030	0.020
DEC									
20.	1355	4.0	6.0	42	4	0.280	0.100	0.050	0.020
JAN									
17.	0915	3.0	5.0	55	4	0.170	0.060	0.040	0.030
FEB									
14.	0800	5.5	7.0	80	95	0.210	0.190	0.160	0.060
MAR									
21.	0810	8.5	8.0	61	--	0.190	0.080	0.060	0.030
APR									
18.	0835	7.5	--	60	7	0.270	0.090	--	<0.010
MAY									
16.	0845	8.7	10	65	7	0.320	0.190	0.060	0.050
JUN									
06.	0825	5.2	4.0	45	7	0.130	0.010	0.050	<0.010
JUL									
18.	0720	12	7.0	79	--	0.220	<0.050	0.100	<0.030
AUG									
15.	0830	4.1	6.0	53	7	0.150	<0.050	0.030	<0.030
SEP									
19.	0930	18	18	78	7	0.790	--	0.050	<0.030

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 18.	1325	<1	<1	--	<1	<0.50	--	3.9
NOV 01.	1320	<1	<1	22	1	--	<10	2.4
DEC 20.	1355	<1	<1	<15	<1	--	<10	3.6
JAN 17.	0915	--	2	<15	1	--	--	3.0
FEB 14.	0800	<1	4	<15	<1	--	--	6.1
MAR 21.	0810	<1	<1	--	1	--	10	4.4
APR 18.	0835	<1	<1	<15	<1	--	<10	3.2
MAY 16.	0845	<1	<1	<15	<1	--	<10	3.7
JUN 06.	0825	<1	<1	<15	<1	--	20	3.0
JUL 18.	0720	1	<1	<15	2	--	--	5.4
AUG 15.	0830	<1	3	<15	3	--	<10	3.6
SEP 19.	0930	<1	<1	<15	<2	<0.40	<10	2.8

07359610 CADDO RIVER NEAR CADDO GAP, ARK.

LOCATION.--Lat 34°22'59", long 93°36'21", in SW¼NE¼ sec.19, T.4 S., R.24 W., Montgomery County, Hydrologic Unit 08040102, at downstream side of bridge on State Highway 240, 1.3 mi southeast of Caddo Gap.

DRAINAGE AREA.--136 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Results of discharge measurements April 1975 to September 1978 are contained in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 577.81 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,100 ft^3/s Nov. 19, 1988, gage height, 16.79 ft, from rating curve extended above 6,000 ft^3/s; minimum, 36 ft^3/s Oct. 6, 1988, gage height, 5.10 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 19	0415	11,200	13.87	Feb. 15	1430	6,830	12.38
Nov. 19	1930	*a22,100	*16.79	Mar. 29	0515	14,400	14.87
Feb. 03	0215	8,310	12.92				

a from rating curve extended above 6,000 ft^3/s.

Minimum discharge, 36 ft^3/s Oct. 6, gage height, 5.10 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	59	197	248	242	209	618	179	168	121	122	57
2	61	57	178	215	590	189	595	134	162	101	105	55
3	47	56	155	188	3230	178	411	194	143	90	101	55
4	41	57	140	162	718	358	313	221	1010	81	85	53
5	39	54	127	167	397	914	273	236	1500	73	77	48
6	39	53	119	178	279	447	243	199	1480	81	72	47
7	40	54	116	161	224	318	218	182	567	94	69	47
8	41	54	113	146	190	268	205	154	517	103	66	47
9	43	55	108	141	163	232	200	158	363	83	62	89
10	41	65	103	136	144	208	197	137	284	76	61	153
11	40	60	99	132	131	191	181	118	237	70	60	90
12	39	119	93	182	123	174	164	108	217	67	59	69
13	39	146	90	367	262	161	159	109	218	86	57	64
14	39	106	88	368	972	150	171	108	195	85	57	76
15	38	91	83	306	4180	135	178	101	164	214	57	68
16	40	82	80	251	2270	125	157	185	141	309	56	62
17	41	74	79	212	1040	119	153	840	125	518	55	57
18	42	386	76	182	1060	114	166	1130	110	604	52	53
19	56	10900	76	158	575	135	316	487	100	1130	50	52
20	102	2240	75	138	550	173	338	351	91	444	48	50
21	111	512	73	122	494	192	328	286	85	301	45	49
22	74	311	81	112	342	176	323	245	80	223	44	47
23	121	237	133	104	267	163	320	215	75	181	43	46
24	153	189	119	97	225	151	240	178	73	170	45	45
25	99	187	111	134	196	142	144	153	71	150	48	45
26	80	2130	107	495	178	188	125	135	71	130	45	44
27	71	835	713	397	243	616	116	602	81	116	43	43
28	71	415	1230	358	238	1340	110	460	79	130	42	42
29	67	297	511	783	---	7140	105	313	80	109	53	55
30	64	233	353	432	---	1490	185	244	90	100	136	100
31	62	---	297	307	---	755	---	197	---	130	69	---
TOTAL	1933	20114	5923	7379	19523	17151	7252	8359	8577	6170	1984	1808
MEAN	62.4	670	191	238	697	553	242	270	286	199	64.0	60.3
MAX	153	10900	1230	783	4180	7140	618	1130	1500	1130	136	153
MIN	38	53	73	97	123	114	105	101	71	67	42	42
AC-FT	3830	39900	11750	14640	38720	34020	14380	16580	17010	12240	3940	3590
CFSM	.46	4.93	1.40	1.75	5.13	4.07	1.78	1.98	2.10	1.46	.47	.44
IN.	.53	5.50	1.62	2.02	5.34	4.69	1.98	2.29	2.35	1.69	.54	.49

WTR YR 1989 TOTAL 106173 MEAN 291 MAX 10900 MIN 38 AC-FT 210600 CFSM 2.14 IN. 29.04

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARK.

LOCATION.--Lat 34°22'00", long 93°46'00", in NE ¼ SE ¼ sec.27, T.4 S., R.26 W., Montgomery County, Hydrologic Unit 08040102, at bridge on county road at Fancy Hill, and 600 ft above confluence with the Caddo River.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
18.	0935	9827	9827	7.3	18.0	1.5	8.7	0.9	1.5
NOV									
01.	0935	9827	9827	7.6	13.0	1.5	10.3	0.4	2.5
DEC									
20.	0930	9827	9827	6.9	11.0	3.5	10.3	0.5	1.0
JAN									
17.	1515	9827	9827	7.2	9.0	4.0	11.3	0.8	1.5
FEB									
14.	1305	9827	9827	6.8	19.0	7.0	10.7	0.8	1.5
MAR									
21.	1500	9827	9827	6.9	9.0	7.5	10.6	0.4	1.0
APR									
18.	1327	9827	9827	7.1	22.0	2.0	9.2	0.8	2.5
MAY									
16.	1325	9827	9827	7.2	18.0	30	9.0	1.5	1.6
JUN									
06.	1255	9827	9827	6.9	19.0	15	8.9	1.2	3.3
JUL									
18.	1140	9827	9827	6.9	21.0	10	8.5	0.7	2.0
AUG									
15.	1225	9827	9827	7.3	25.0	1.5	8.3	0.6	1.7
SEP									
19.	1350	9827	9827	7.4	23.0	1.5	9.2	1.2	1.8

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
18.	0935	19	108	1	0.040	0.080	0.010	0.020
NOV								
01.	0935	28	58	<1	0.010	0.020	<0.010	0.010
DEC								
20.	0930	26	49	<1	0.100	<0.010	0.010	0.010
JAN								
17.	1515	15	55	1	0.110	0.030	0.020	0.010
FEB								
14.	1305	13	40	4	0.080	0.050	0.030	0.010
MAR								
21.	1500	26	58	--	0.110	0.040	0.060	0.010
APR								
18.	1327	--	60	<1	<0.010	<0.010	--	<0.010
MAY								
16.	1325	12	50	27	0.040	0.010	0.060	0.050
JUN								
06.	1255	7.0	37	10	0.060	<0.010	0.050	<0.010
JUL								
18.	1140	20	62	--	0.060	<0.050	0.050	<0.030
AUG								
15.	1225	21	63	1	0.030	<0.050	<0.030	<0.030
SEP								
19.	1350	23	50	2	0.040	--	<0.030	<0.030

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	0935	<1	16	--	--	<0.50	--	2.5
NOV								
01.	0935	<1	<1	<15	1	--	<10	1.0
DEC								
20.	0930	<1	<1	<15	<1	--	20	0.8
JAN								
17.	1515	--	<1	<15	2	--	--	0.8
FEB								
14.	1305	<1	<1	<15	<1	--	30	1.5
MAR								
21.	1500	<1	<1	--	1	--	20	1.3
APR								
18.	1327	<1	<1	--	<1	--	10	1.0
MAY								
16.	1325	1	<1	<15	1	--	30	2.2
JUN								
06.	1255	<1	<1	22	1	--	10	1.9
JUL								
18.	1140	<1	<1	<15	1	--	--	2.8
AUG								
15.	1225	<1	<1	<15	<2	--	10	0.2
SEP								
19.	1350	1	1	<15	2	<0.40	<10	0.4

07359770 CADDO RIVER NEAR AMITY, ARK.

LOCATION.--Lat 34°17'05", long 93°24'56", in NW ¼ SE ¼ sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi northeast of Amity.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--August 1972 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT 18.	1230	9827	9827	44	7.2	18.0	2.5	8.7	1.2
NOV 01.	1240	9827	9827	330	7.6	15.0	3.0	10.4	0.6
DEC 20.	1245	9827	9827	100	7.0	10.0	4.5	11.5	1.2
JAN 17.	1030	9827	9827	350	7.2	7.0	7.0	11.7	0.9
FEB 14.	0925	9827	9827	1750	6.7	--	60	9.9	1.0
MAR 21.	0930	9827	9827	350	7.2	11.0	45	9.4	1.5
APR 18.	0935	9827	9827	70	7.5	19.0	3.0	8.9	1.3
MAY 16.	1000	9827	9827	70	7.5	21.0	6.0	7.8	1.4
JUN 06.	0945	9827	9827	4050	7.1	17.0	90	8.1	3.3
JUL 18.	0830	9827	9827	2540	7.1	22.0	50	8.0	3.9
AUG 15.	0930	9827	9827	--	7.5	25.0	3.5	7.1	5.1
SEP 19.	1035	9827	9827	18	7.7	21.0	3.5	8.2	1.7

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 18.	1230	2.5	5.0	107	3	0.010	0.040	0.040	0.070
NOV 01.	1240	3.5	9.0	71	2	0.010	0.060	0.030	0.020
DEC 20.	1245	2.0	6.0	61	<1	0.150	<0.010	0.030	0.020
JAN 17.	1030	2.5	6.0	60	1	0.280	0.020	0.040	0.030
FEB 14.	0925	2.0	5.0	84	47	0.290	0.050	0.130	0.070
MAR 21.	0930	2.0	7.0	66	--	0.200	0.060	0.140	0.050
APR 18.	0935	2.5	--	57	2	<0.010	<0.010	--	<0.010
MAY 16.	1000	2.0	5.0	60	7	<0.010	<0.010	0.040	0.040
JUN 06.	0945	4.9	5.0	62	83	0.120	0.050	0.200	0.060
JUL 18.	0830	2.9	5.0	67	--	0.170	<0.050	0.110	0.030
AUG 15.	0930	2.4	4.0	71	4	<0.020	<0.050	<0.030	<0.030
SEP 19.	1035	2.6	6.0	73	6	0.030	--	0.050	<0.030

07359770 CADDO RIVER NEAR AMITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1230	<1	<1	--	<1	<0.50	--	2.8
NOV								
01.	1240	<1	<1	<15	3	--	10	2.4
DEC								
20.	1245	<1	<1	<15	<1	--	<10	1.4
JAN								
17.	1030	--	2	<15	2	--	--	1.8
FEB								
14.	0925	<1	11	<15	<1	--	90	5.1
MAR								
21.	0930	<1	<1	--	1	--	10	5.1
APR								
18.	0935	<1	<1	<15	<1	--	<10	2.3
MAY								
16.	1000	1	<1	<15	<1	--	10	2.4
JUN								
06.	0945	1	1	<15	3	--	30	5.7
JUL								
18.	0830	<1	<1	<15	2	--	--	7.5
AUG								
15.	0930	<1	<1	<15	<2	--	10	2.9
SEP								
19.	1035	<1	1	<15	2	<0.40	<10	1.7

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.

LOCATION.--Lat 34°18'41", long 93°53'58", in SW ¼ sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.6 mi downstream from White Oak Creek, and 3.3 mi west of Langley.

DRAINAGE AREA.--68.4 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
18.	1030	9827	9827	24	7.5	19.0	2.5	8.7	0.8
NOV									
01.	1045	9827	9827	27	7.9	14.0	1.5	9.5	0.3
DEC									
20.	1040	9827	9827	34	7.0	10.0	25	11.2	0.5
JAN									
17.	1400	9827	9827	1280	7.4	9.0	3.5	12.1	0.1
FEB									
14.	1215	9827	9827	--	7.1	10.0	7.0	10.8	0.7
MAR									
21.	1150	9827	9827	185	7.4	9.0	2.5	10.7	0.5
APR									
18.	1230	9827	9827	0.0	7.6	21.0	2.0	10.1	0.6
MAY									
16.	1220	9827	9827	1520	7.4	19.0	5.5	8.7	1.0
JUN									
06.	1135	9827	9827	--	7.2	19.0	7.0	9.2	0.7
JUL									
18.	1030	9827	9827	--	7.1	20.0	9.0	8.5	0.8
AUG									
15.	1120	9827	9827	--	7.6	25.0	3.0	8.0	1.7
SEP									
19.	1255	9827	9827	9.6	7.6	22.0	2.5	9.1	2.5

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	1030	2.0	2.0	77	2	0.010	0.020	0.010	0.010
NOV									
01.	1045	2.5	5.0	51	<1	<0.010	0.020	0.010	0.010
DEC									
20.	1040	1.0	4.0	29	<1	0.080	0.010	0.020	0.010
JAN									
17.	1400	1.5	4.0	44	<1	0.110	0.030	0.040	0.020
FEB									
14.	1215	1.5	3.0	43	3	0.050	0.030	0.030	0.010
MAR									
21.	1150	2.0	5.0	32	--	0.060	0.030	0.050	0.010
APR									
18.	1230	2.0	--	36	<1	<0.010	<0.010	--	<0.010
MAY									
16.	1220	1.8	3.0	35	5	0.010	0.010	0.080	0.050
JUN									
06.	1135	1.5	2.0	31	5	0.030	<0.010	0.030	<0.010
JUL									
18.	1030	2.3	3.0	35	--	0.030	<0.050	0.050	<0.030
AUG									
15.	1120	2.2	2.0	36	18	<0.020	<0.050	<0.030	<0.030
SEP									
19.	1255	2.2	4.0	44	3	0.030	--	<0.030	<0.030

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 18.	1030	<1	4	--	3	<0.50	--	1.6
NOV 01.	1045	<1	<1	16	4	--	<10	1.3
DEC 20.	1040	<1	<1	<15	2	--	10	0.9
JAN 17.	1400	--	2	<15	1	--	--	0.9
FEB 14.	1215	<1	37	<15	<1	--	340	1.7
MAR 21.	1150	<1	<1	--	2	--	<10	1.2
APR 18.	1230	<1	<1	<15	<1	--	<10	1.3
MAY 16.	1220	<1	<1	<15	<1	--	<10	1.8
JUN 06.	1135	<1	<1	<15	<1	--	10	1.5
JUL 18.	1030	<1	<1	<15	4	--	--	2.7
AUG 15.	1120	<1	1	<15	<2	--	20	0.4
SEP 19.	1255	<1	1	<15	<2	<0.40	<10	0.8

07361022 PRAIRIE CREEK AT MURFREESBORO, ARK.

LOCATION.--Lat 34°04'02", long 93°40'58", in NE ¼ SE ¼ sec.8, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 27, 0.3 mi east of City Park, and 0.5 mi upstream form confluence with Spring Creek.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
18...	1110	9827	9827	7.3	22.0	5.5	8.6	1.9	5.0
NOV									
01...	1125	9827	9827	7.8	15.0	15	7.2	1.0	5.5
DEC									
20...	1120	9827	9827	7.2	11.0	7.0	10.6	0.8	4.0
JAN									
17...	1230	9827	9827	7.1	8.0	15	11.3	1.1	3.5
FEB									
14...	1100	9827	9827	6.9	10.0	15	10.2	1.1	3.5
MAR									
21...	1056	9827	9827	7.0	10.0	6.0	9.5	0.3	3.0
APR									
18...	1130	9827	9827	7.1	19.0	5.0	9.4	1.5	3.0
MAY									
16...	1130	9827	9827	7.2	17.0	15	8.0	2.0	2.5
JUN									
06...	1055	9827	9827	7.1	19.0	25	8.1	1.7	5.6
JUL									
18...	0937	9827	9827	6.9	24.0	20	8.1	2.4	3.1
AUG									
15...	1037	9827	9827	6.9	24.0	4.0	6.5	2.5	3.3
SEP									
19...	1155	9827	9827	6.9	23.0	4.5	6.5	1.3	3.8

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
18...	1110	6.0	90	6	0.020	0.040	0.26	0.30	0.260
NOV									
01...	1125	8.0	55	2	0.150	0.040	0.96	1.0	0.030
DEC									
20...	1120	4.0	29	1	0.300	<0.010	--	0.20	0.030
JAN									
17...	1230	21	82	2	0.230	0.050	0.15	0.20	0.040
FEB									
14...	1100	4.0	82	6	0.250	0.020	0.38	0.40	0.070
MAR									
21...	1056	5.0	33	--	0.230	0.030	0.37	0.40	0.120
APR									
18...	1130	--	36	2	0.090	0.040	0.36	0.40	--
MAY									
16...	1130	4.0	33	9	0.060	0.010	0.39	0.40	0.050
JUN									
06...	1055	4.0	51	13	0.090	0.040	0.56	0.60	0.080
JUL									
18...	0937	4.0	48	--	0.080	<0.020	--	0.60	0.090
AUG									
15...	1037	3.0	44	2	0.240	0.080	0.29	0.37	<0.030
SEP									
19...	1155	4.0	42	4	0.130	--	--	0.44	0.040

07361022 PRAIRIE CREEK AT MURFREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	1110	0.200	<1	<1	--	<1	<0.50	--	4.4
NOV									
01...	1125	0.020	<1	<1	<15	3	--	10	5.9
DEC									
20...	1120	0.010	<1	2	<15	3	--	<10	2.0
JAN									
17...	1230	0.020	--	8	16	1	--	--	3.6
FEB									
14...	1100	0.040	<1	<1	<15	<1	--	20	4.3
MAR									
21...	1056	0.010	<1	1	--	1	--	10	2.2
APR									
18...	1130	<0.010	<1	<1	88	<1	--	<10	2.5
MAY									
16...	1130	0.050	<1	<1	<15	1	--	10	2.9
JUN									
06...	1055	<0.010	<1	<1	<15	<1	--	20	5.6
JUL									
18...	0937	<0.030	<1	<1	<15	3	--	--	6.1
AUG									
15...	1037	<0.030	<1	<1	<15	<2	--	<10	2.2
SEP									
19...	1155	<0.030	<1	1	17	<2	<0.40	<10	2.5

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK.

LOCATION.--Lat 34°02'34", long 93°41'02", in SE ¼ NE ¼ sec.20, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 301, 0.3 mi northwest of Crater of Diamonds State Park, and 1.0 mi above confluence with Little Missouri River.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT										
05...	1440	80513	80513	0.21	135	--	19.5	--	--	--
18...	1130	9827	9827	--	--	7.1	23.0	10	9.9	5.2
NOV										
01...	1145	9827	9827	--	--	7.6	15.0	20	7.5	1.6
DEC										
20...	1135	9827	9827	--	--	7.0	10.0	9.0	10.0	--
JAN										
17...	1145	9827	9827	--	--	7.3	9.0	7.0	12.2	1.0
FEB										
14...	1020	9827	9827	--	--	6.9	9.0	40	10.4	1.1
MAR										
21...	1030	9827	9827	--	--	7.0	10.0	5.5	10.5	0.4
APR										
18...	1055	9827	9827	--	--	7.1	19.0	4.0	10.4	0.5
MAY										
16...	1103	9827	9827	--	--	7.2	19.0	25	8.5	1.7
JUN										
06...	1040	9827	9827	--	--	7.1	19.0	35	8.3	3.1
JUL										
18...	0925	9827	9827	--	--	7.0	24.0	20	8.1	3.2
AUG										
15...	1022	9827	9827	--	--	7.2	26.0	6.0	5.8	4.4
SEP										
19...	1140	9827	9827	--	--	7.2	22.0	6.5	5.6	2.8

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)
OCT										
18...	1130	6.0	5.0	120	14	0.010	0.040	0.36	0.40	0.130
NOV										
01...	1145	5.5	10	79	7	0.330	0.080	0.32	0.40	0.070
DEC										
20...	1135	4.0	5.0	38	3	0.370	0.010	0.19	0.20	0.040
JAN										
17...	1145	3.5	6.0	55	2	0.310	0.020	0.18	0.20	0.020
FEB										
14...	1020	2.0	6.0	57	35	0.230	0.040	0.46	0.50	0.070
MAR										
21...	1030	2.5	7.0	42	--	0.350	0.080	0.22	0.30	0.060
APR										
18...	1055	3.5	--	44	<1	0.140	<0.010	--	0.50	--
MAY										
16...	1103	2.4	7.0	78	16	0.180	0.020	0.38	0.40	0.050
JUN										
06...	1040	4.7	5.0	66	18	0.120	0.020	0.68	0.70	0.090
JUL										
18...	0925	3.2	5.0	61	--	0.090	<0.050	--	0.50	0.070
AUG										
15...	1022	3.9	3.0	59	6	0.200	0.050	0.50	0.55	0.040
SEP										
19...	1140	5.8	6.0	76	8	0.310	--	--	0.42	0.070

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	1130	0.050	<1	<1	--	<1	<0.50	--	6.4
NOV									
01...	1145	0.050	<1	<1	<15	3	--	10	5.6
DEC									
20...	1135	0.010	<1	1	<15	2	--	<10	2.3
JAN									
17...	1145	0.020	--	<1	<15	1	--	--	2.4
FEB									
14...	1020	0.030	<1	<1	<15	<1	--	10	7.4
MAR									
21...	1030	0.010	<1	<1	--	1	--	10	2.1
APR									
18...	1055	<0.010	<1	<1	--	<1	--	<10	2.1
MAY									
16...	1103	0.050	1	<1	<15	2	--	10	3.0
JUN									
06...	1040	<0.010	<1	<1	<15	2	--	20	7.4
JUL									
18...	0925	<0.030	<1	<1	<15	2	--	--	6.8
AUG									
15...	1022	<0.030	1	<1	<15	<2	--	<10	3.0
SEP									
19...	1140	<0.030	<1	<1	<15	<2	<0.40	<10	4.3

07361500 ANTOINE RIVER AT ANTOINE, ARK.

LOCATION.--Lat 34°02'20", long 93°25'05", in NW¼NW¼ sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi downstream from Brushy Creek 1.9 mi downstream from Suck Creek, and at mile 8.5.

DRAINAGE AREA.--178 mi².

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--35 years, 280 ft³/s, 21.36 in/yr, 202,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft³/s May 2, 1958, gage height, 28.75 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Nov. 19	2030	12,700	22.64	Feb. 16	0330	7,370	19.55
Nov. 26	1030	*14,500	*23.35	Mar. 05	0230	8,190	20.27
Feb. 03	1000	7,250	19.42	Mar. 29	0930	12,200	22.42

Minimum discharge, 0.85 ft³/s Oct. 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	13	347	715	321	869	634	250	150	765	185	8.4
2	13	14	282	529	271	523	461	127	122	490	132	9.5
3	6.1	15	238	437	4270	440	374	264	107	554	107	20
4	3.3	15	207	344	1560	1060	358	692	389	309	99	26
5	2.2	18	177	330	887	4780	257	783	619	192	70	16
6	1.7	34	161	468	617	1590	208	420	1180	140	53	12
7	1.3	37	158	337	471	981	179	265	571	199	46	9.7
8	.96	36	164	286	393	730	152	199	1000	1270	44	8.8
9	.90	34	153	248	326	565	126	180	600	456	36	8.7
10	1.2	36	135	231	286	459	102	176	385	272	28	10
11	1.3	36	115	216	260	387	89	113	286	184	23	17
12	1.7	43	104	270	242	328	82	87	239	123	18	33
13	1.6	145	93	791	421	284	76	80	355	159	16	21
14	1.6	80	89	910	2110	253	77	84	352	171	14	17
15	1.6	63	77	748	3320	220	132	77	312	340	12	13
16	1.6	133	68	545	5010	169	97	529	221	722	11	10
17	1.4	117	62	428	3140	170	72	1480	171	459	9.4	9.5
18	1.3	691	59	357	3110	156	79	2680	129	1140	8.5	8.5
19	1.2	8690	56	298	1470	138	553	1040	98	979	7.9	7.6
20	2.1	5360	56	256	1950	177	253	610	76	547	7.3	6.6
21	2.4	1150	54	215	1930	198	172	467	60	349	6.6	5.9
22	1.9	665	56	195	1010	195	126	342	47	281	6.3	5.9
23	2.1	453	115	181	702	156	98	289	37	484	6.0	5.1
24	2.2	338	122	164	551	132	81	228	30	973	6.9	4.6
25	2.3	274	91	165	455	121	67	189	24	543	6.4	4.3
26	2.4	7950	78	346	391	113	57	151	21	415	6.3	3.8
27	3.8	2450	444	420	1140	576	50	578	20	276	6.5	3.6
28	15	975	2940	320	1020	959	45	635	24	463	6.5	3.2
29	11	631	1070	523	---	8650	41	337	41	276	6.4	3.1
30	11	454	726	455	---	2350	366	243	119	197	7.3	4.7
31	14	---	798	377	---	1040	---	191	---	219	8.0	---
TOTAL	141.16	30950	9295	12105	37634	28589	5464	13786	7785	13927	1000.3	316.5
MEAN	4.55	1032	300	390	1344	922	182	445	259	449	32.3	10.5
MAX	27	8690	2940	910	5010	8650	634	2680	1180	1270	185	33
MIN	.90	13	54	164	242	113	41	77	20	123	6.0	3.1
AC-FT	280	61390	18440	24010	74650	56710	10840	27340	15440	27620	1980	628
CFSM	.03	5.80	1.68	2.19	7.55	5.18	1.02	2.50	1.46	2.52	.18	.06
IN.	.03	6.47	1.94	2.53	7.87	5.97	1.14	2.88	1.63	2.91	.21	.07

CAL YR 1988 TOTAL 101603.15 MEAN 278 MAX 8690 MIN .12 AC-FT 201500 CFSM 1.56 IN. 21.23
WTR YR 1989 TOTAL 160992.96 MEAN 441 MAX 8630 MIN .90 AC-FT 319300 CFSM 2.48 IN. 33.65

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.

LOCATION.--Lat 33°52'32", long 93°18'16", in NE ¼ sec.13, T.10 S., R.22 W., Nevada County, Hydrologic Unit 08040103, on downstream side of bridge on U.S. Highway 67, 1.5 mi northeast of Boughton, 5.9 mi downstream from Howard Creek, 10.2 mi downstream from Antoine River, and at mile 46.8.

DRAINAGE AREA.--1,068 mi².

PERIOD OF RECORD.--Water years 1948-55, October 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to September 1955.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
19.	0520	9827	9827	90	8.4	18.0	10	8.2	0.5
NOV									
16.	0530	9827	9827	251	--	14.0	15	8.5	0.5
DEC									
21.	0530	9827	9827	327	--	10.0	15	10.0	0.6
JAN									
17.	0530	9827	9827	1650	7.3	7.0	20	11.2	1.1
FEB									
14.	0530	9827	9827	--	6.8	10.0	70	8.8	3.5
MAR									
22.	0730	9827	9827	995	7.2	9.0	15	10.3	0.7
APR									
19.	0600	9827	9827	1040	8.2	18.0	75	6.1	1.1
MAY									
17.	0630	9827	9827	3720	7.4	20.0	75	7.5	1.9
JUN									
21.	0630	9827	9827	660	7.3	22.0	10	--	<0.1
JUL									
19.	0300	9827	9827	4540	7.1	25.0	40	6.4	0.7
AUG									
16.	0630	9827	9827	516	7.3	23.0	15	7.5	0.4
SEP									
20.	0830	9827	9827	67	7.5	21.0	9.0	7.8	0.8

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
19.	0520	4.0	--	81	4	0.040	0.050	0.050	0.040
NOV									
16.	0530	5.0	29	86	6	0.070	0.050	0.060	0.050
DEC									
21.	0530	3.5	11	--	7	0.280	0.120	0.060	0.040
JAN									
17.	0530	4.0	12	71	9	0.240	0.110	0.070	0.040
FEB									
14.	0530	3.5	9.0	107	63	0.170	0.100	0.190	0.090
MAR									
22.	0730	3.0	11	56	12	0.280	0.080	--	0.030
APR									
19.	0600	3.5	--	85	78	0.080	<0.010	--	0.040
MAY									
17.	0630	3.6	11	89	104	0.240	0.040	0.190	0.120
JUN									
21.	0630	2.4	11	55	--	0.150	0.020	0.060	0.030
JUL									
19.	0600	3.2	10	90	32	0.080	0.070	0.120	0.040
AUG									
16.	0630	2.1	8.0	48	21	0.110	0.050	0.050	<0.030
SEP									
20.	0830	3.8	11	56	12	0.070	0.080	0.060	<0.030

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
19.	0520	<1	1	<15	3	<0.50	40	3.2
NOV								
16.	0530	<1	1	<15	<1	--	10	5.4
DEC								
21.	0530	1	10	15	7	--	10	3.9
JAN								
17.	0530	1	3	<15	3	--	<10	5.8
FEB								
14.	0530	<1	3	44	<1	--	130	11
MAR								
22.	0730	<1	--	<15	1	--	--	3.6
APR								
19.	0600	<1	2	<15	5	--	<10	4.6
MAY								
17.	0630	<1	1	<15	5	--	<10	7.1
JUN								
21.	0630	<1	<1	<15	3	--	30	4.6
JUL								
19.	0600	<1	7	<15	5	--	--	11
AUG								
16.	0630	<1	1	18	--	--	10	2.8
SEP								
20.	0830	<1	2	<15	--	<0.40	--	3.0

07362000 OUACHITA RIVER AT CAMDEN, ARK.
(National stream-quality accounting network station)

LOCATION.--Lat 33°35'47", long 92°49'05", in SE¼ sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of U.S. Army Corps of Engineers. Monthly discharge only, October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 71.69 ft above National Geodetic Vertical Datum of 1929. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi downstream at present datum. Aug. 10, 1938, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder, 3.2 mi downstream.

REMARKS.--Water-discharge records good. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft.

AVERAGE DISCHARGE.--61 years, 7,608 ft^3/s, 5,512,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft^3/s Apr. 3, 1945, gage height, 44.82 ft; minimum, 125 ft^3/s Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78,900 ft^3/s Apr. 1; maximum gage height, 37.40 ft Apr. 2; minimum daily discharge, 1,150 ft^3/s Oct. 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1220	1710	40600	18100	7480	26900	75600	6030	6000	6770	4550	4120
2	1940	1560	32800	16300	7760	28000	71900	6870	7120	12900	5620	4740
3	1730	2590	24200	14000	9750	26800	58500	6650	7760	17200	5580	4780
4	1440	2820	17700	12000	18800	24000	45700	8600	8210	17400	5590	4130
5	1280	3170	13000	10500	27600	21300	36600	11900	7170	15300	5340	3080
6	1210	3310	11600	8850	34000	23000	31000	14700	9170	12000	5280	2240
7	1170	1740	9720	8690	36400	27500	25500	15300	11000	10300	5600	2610
8	1180	1370	9490	8070	34600	29500	22100	12500	13800	11100	4690	3290
9	1150	2310	10700	7290	28200	30900	18400	9160	17700	11900	3730	3450
10	1190	2390	11300	6300	20700	29600	15000	7490	20400	12100	2430	4390
11	1170	2400	11600	7650	15900	24400	14500	6070	20400	9950	1530	4540
12	1560	2470	10700	7880	12700	19000	14300	4960	17100	8580	1780	3530
13	2000	2850	10400	11100	10000	15900	12700	4680	13400	8040	1750	4370
14	2110	2310	9680	15300	13000	14400	10600	4420	11800	7810	1400	3920
15	1830	2180	8680	19700	22900	12200	9120	4200	13100	8340	1410	4000
16	2260	3120	7950	22900	33400	11200	8160	5020	13600	10800	2860	2830
17	2030	2820	7730	23400	44300	11400	6900	6090	12100	14600	4810	3210
18	1340	2890	6860	21300	53200	e13000	5930	10300	9410	17100	4400	2370
19	1880	5300	5130	17100	56700	e15000	6610	16100	7510	20100	3820	2280
20	2150	16900	4420	13200	57800	e12000	7530	20500	6460	23300	3830	2790
21	2420	24200	4530	11100	55600	10100	7150	22400	5240	25600	3310	2720
22	2680	30300	4660	9650	51800	12500	5190	22600	4510	24100	3220	2990
23	2210	34200	4170	7810	48400	13900	3560	19100	3550	21600	3510	2980
24	1440	34200	4470	5630	44300	12600	2700	15400	3390	19600	4710	2570
25	1380	30300	3630	5210	39000	9980	2510	12500	3760	16800	4570	2470
26	1920	23400	2980	4550	32100	7980	4390	10700	2850	14900	4150	1690
27	2270	25200	2800	5080	27000	6200	5380	8880	2700	12800	4370	2160
28	2450	31100	6050	6200	25500	7820	5260	8010	3440	11200	4070	2670
29	2950	38000	16100	7690	---	15400	4270	7630	3950	8480	3830	2940
30	4190	42700	19200	7170	---	29600	3960	6240	4640	6800	4420	2830
31	2430	---	19300	8160	---	52400	---	5160	---	5250	4260	---
TOTAL	58180	379810	352150	347880	868890	594480	541020	320160	271240	422720	120420	96690
MEAN	1877	12660	11360	11220	31030	19180	18030	10330	9041	13640	3885	3223
MAX	4190	42700	40600	23400	57800	52400	75600	22600	20400	25600	5620	4780
MIN	1150	1370	2800	4550	7480	6200	2510	4200	2700	5250	1400	1690
AC-FT	115400	753400	698500	690000	1723000	1179000	1073000	635000	538000	838500	238900	191800

CAL YR 1988 TOTAL 2792959 MEAN 7631 MAX 66000 MIN 916 AC-FT 5540000
WTR YR 1989 TOTAL 4373640 MEAN 11980 MAX 75600 MIN 1150 AC-FT 8675000

e Estimated

07362000 OUACHITA RIVER AT CAMDEN, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1976 to September 1981.
WATER TEMPERATURES: July 1976 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBEP) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 27...	1015	80513	80020	2350	121	7.4	17.0	4.4	9.1	95
FEB 28...	1045	80513	80020	25600	55	7.1	8.0	16	10.0	84
JUN 06...	0945	80513	80020	9370	69	6.9	23.0	21	6.6	78
AUG 02...	1045	80513	80020	7040	82	7.0	26.5	14	6.7	83

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT 27...	1015	758	13	34	37	12	1.8	6.8	27	0.5
FEB 28...	1045	762	34	240	16	4.6	1.1	3.1	28	0.3
JUN 06...	0945	757	89	750	21	6.5	1.2	4.1	28	0.4
AUG 02...	1045	762	K86	430	24	7.2	1.5	5.7	32	0.5

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 27...	1015	1.6	15	0	18	15	18	9.4	0.10	4.7
FEB 28...	1045	1.1	11	0	12	10	3.5	9.6	0.10	6.6
JUN 06...	0945	1.2	17	0	20	16	5.4	6.0	0.10	6.8
AUG 02...	1045	1.3	17	0	19	16	6.7	8.0	0.10	7.8

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT 27...	1015	74	64	0.10	470	--	<0.010	0.180	<0.010	0.080
FEB 28...	1045	34	37	0.05	2340	0.150	0.010	0.160	0.080	0.070
JUN 06...	0945	55	43	0.08	1390	0.190	0.010	0.200	0.030	0.030
AUG 02...	1045	59	50	0.08	1120	--	<0.010	0.270	<0.010	0.010

07362000 OUACHITA RIVER AT CAMDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHOROUS DISSOLVED (MG/L AS P) (00666)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT										
27...	1015	--	<0.20	0.020	0.010	10	<1	33	<0.5	<1
FEB										
28...	1045	0.32	0.40	0.040	0.010	50	<1	23	<0.5	<1
JUN										
06...	0945	0.47	0.50	0.040	0.040	60	<1	32	<0.5	<1
AUG										
02...	1045	--	<0.20	0.060	0.030	50	1	33	<0.5	<1

DATE	TIME	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)
OCT										
27...	1015	<3	1	71	<5	<4	22	<0.1	<10	<1
FEB										
28...	1045	<3	2	140	<5	<4	34	<0.1	<10	<1
JUN										
06...	0945	<3	2	470	1	<4	60	<0.1	<10	1
AUG										
02...	1045	<3	3	590	1	<4	100	<0.1	<10	4

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
27...	1015	<1	<1.0	48	21	6	11	70	54
FEB									
28...	1045	<1	<1.0	31	10	8	30	2070	90
JUN									
06...	0945	<1	<1.0	53	<6	6	38	961	93
AUG									
02...	1045	<1	<1.0	58	21	<3	33	627	60

07362065 OUACHITA RIVER BELOW CAMDEN, ARK.

LOCATION.--Lat 33°29'03", long 92°45'11", in NE ¼ SE ¼ sec.20, T.14 S., R.16 W., Ouachita County, Hydrologic Unit 08040201, at Frenchport Landing, 7.5 mi southeast of Camden, 6.5 mi downstream from Two Bayou Creek, and at mi 339.2.

DRAINAGE AREA.--5,676 mi^2.

PERIOD OF RECORD.--July 1969 to September 1372, November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT										
18...	0739	9827	9827	1340	7.2	19.0	9.0	8.5	1.0	19
NOV										
15...	0720	9827	9827	2180	--	16.0	6.2	8.6	1.1	14
MAY										
02...	0800	9827	9827	6870	7.0	21.0	15	7.2	1.0	5.2
AUG										
29...	1800	9827	9827	3830	7.2	29.0	10	8.1	1.5	7.9
SEP										
05...	1520	9827	9827	3080	7.1	27.0	7.5	7.9	0.7	19

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
18...	0739	20	123	12	0.800	0.070	0.03	0.10	0.040
NOV									
15...	0720	15	76	8	0.540	0.140	0.16	0.30	0.040
MAY									
02...	0800	7.0	67	17	0.060	0.030	0.97	1.0	0.080
AUG									
29...	1800	6.0	--	23	0.220	<0.050	--	0.64	0.060
SEP									
05...	1520	7.0	98	11	0.220	<0.050	--	0.54	0.040

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	0739	0.010	<1	<1	<15	5	<0.50	<10	3.3
NOV									
15...	0720	0.010	<1	<1	<15	4	--	--	4.9
MAY									
02...	0800	<0.010	<1	<1	23	3	--	<10	7.0
AUG									
29...	1800	<0.030	<1	2	<15	<2	--	--	3.6
SEP									
05...	1520	<0.030	<1	<1	<15	<2	<0.40	<10	3.5

07362100 SMACKOVER CREEK NEAR SMACKOVER, ARK.

LOCATION.--Lat 33°22'33", long 92°46'37", in NW¼SE¼ sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi downstream from Camp Creek, 3.3 mi northwest of Smackover, and at mile 22.0.

DRAINAGE AREA.--385 mi².

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers.)

REMARKS.--Records good.

AVERAGE DISCHARGE.--28 years, 410 ft3/s, 14.46 in/yr, 297,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft³/s June 8, 1974, gage height, 24.97 ft, from rating curve extended above 31,000 ft³/s; no flow for part of Aug. 9, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Nov. 29	1800	2,410	14.03	May 06	0900	3,310	14.50
Jan. 16	0500	3,650	14.72	May 20	0900	2,880	14.05
Feb. 06	0200	3,550	14.64	June 09	1000	6,170	16.35
Feb. 16	0400	4,190	15.13	July 02	0800	*7,200	*16.86
Mar. 31	0700	6,070	16.75	July 17	0800	4,720	15.50

Minimum discharge, 4.5 ft³/s Oct. 15, 16, 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	36	1500	1790	1130	e1400	3230	237	128	6360	118	98
2	7.2	37	1070	1870	1010	e1500	1900	245	313	6980	109	58
3	6.6	32	478	1740	1010	e1400	1300	200	746	5850	100	40
4	7.4	20	199	1540	1380	e1300	1000	362	1580	4170	94	34
5	6.8	13	155	1380	2440	e1200	948	1570	1940	3050	83	30
6	7.3	9.2	133	1130	3220	e1100	940	3170	1770	2740	77	26
7	6.4	7.6	120	764	2330	e940	955	2740	1750	2260	103	31
8	5.7	6.9	326	526	1660	e840	928	2040	3900	2060	86	33
9	5.3	6.5	596	434	1180	e750	834	1560	5910	1670	70	26
10	5.1	6.5	672	406	751	e730	511	1060	4240	1250	68	26
11	5.1	6.0	689	375	508	e720	302	502	2620	764	61	28
12	4.9	64	664	497	433	458	245	290	1880	342	53	26
13	4.6	296	529	1350	696	394	219	286	1250	265	46	33
14	4.6	356	363	2440	1820	367	213	648	824	607	42	52
15	4.5	276	280	3540	3480	317	257	811	1130	931	41	60
16	4.5	209	227	3540	4000	280	379	713	1920	3250	40	73
17	4.6	194	195	2780	3340	247	346	804	1410	4540	43	71
18	4.9	219	169	2160	3020	215	294	1620	1080	3540	69	36
19	9.2	196	154	1700	2680	179	286	2500	619	2620	67	31
20	20	257	150	1250	2460	156	294	2790	298	2050	63	26
21	57	400	161	778	2450	226	272	2290	224	1440	51	23
22	47	442	191	484	2510	465	240	1850	176	978	42	21
23	28	466	244	363	2230	617	188	1440	147	627	36	19
24	15	389	319	324	1920	596	157	738	122	377	32	18
25	11	171	345	331	1600	466	138	405	107	323	34	19
26	7.8	573	315	340	1200	342	127	262	112	352	43	17
27	7.1	1330	246	325	842	465	116	221	155	308	54	14
28	11	1540	679	301	1160	596	106	174	506	238	41	15
29	15	2190	1190	392	---	2160	102	187	1430	181	45	17
30	20	2040	1530	803	---	5080	146	172	3660	153	104	20
31	43	---	1710	1160	---	5940	---	139	---	133	84	---
TOTAL	395.0	11788.7	15599	36813	52520	31446	16973	32026	41949	60409	1999	1021
MEAN	12.7	393	503	1188	1876	1014	566	1033	1398	1949	64.5	34.0
MAX	57	2190	1710	3540	4000	5940	3230	3170	5910	6980	118	98
MIN	4.5	6.0	120	301	433	156	102	139	107	133	32	14
AC-FT	783	23380	30940	73020	104200	62370	33670	63520	83210	119800	3970	2030
CFSM	.03	1.02	1.31	3.08	4.87	2.63	1.47	2.68	3.63	5.06	.17	.09
IN.	.04	1.14	1.51	3.56	5.07	3.04	1.64	3.09	4.05	5.84	.19	.10

CAL YR 1988 TOTAL 105553.6 MEAN 288 MAX 2600 MIN 1.9 AC-FT 209400 CFSM .75 IN. 10.20
WTR YR 1989 TOTAL 302938.7 MEAN 830 MAX 6980 MIN 4.5 AC-FT 600900 CFSM 2.16 IN. 29.27

e Estimated

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.

LOCATION.--Lat 33°22'46", long 92°43'09", in NE ¼ sec.35, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 1.1 mi north of Smackover.

DRAINAGE AREA.--411 mi².

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
18.	0718	9827	9827	5.2	6.9	17.0	8.0	6.9	1.1
NOV									
15.	1345	9827	9827	293	--	16.0	15	6.6	2.0
DEC									
06.	1622	9827	9827	140	--	10.0	8.5	9.0	1.1
JAN									
03.	0745	9827	9827	1920	6.4	9.0	10	8.5	1.3
31.	1000	9827	9827	1250	6.3	11.0	20	8.0	0.9
FEB									
28.	0730	9827	9827	1190	5.6	7.0	15	9.0	0.3
APR									
04.	1500	9827	9827	1210	6.2	19.0	10	5.1	0.8
MAY									
02.	0730	9827	9827	2400	6.5	19.0	9.5	5.1	1.6
JUN									
06.	1540	9827	9827	1890	6.2	24.0	15	4.2	0.5
AUG									
01.	1400	9827	9827	138	6.3	29.0	--	4.6	1.9
29.	1300	9827	9827	60	6.7	31.0	10	4.4	1.1
SEP									
05.	1545	9827	9827	47	6.6	30.0	10	5.5	2.0

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	0718	260	2.0	552	11	0.120	0.100	0.030	0.010
NOV									
15.	1345	170	6.0	326	17	0.060	0.080	0.080	0.010
DEC									
06.	1622	150	11	310	5	0.100	0.070	0.070	0.020
JAN									
03.	0745	58	10	176	6	0.040	0.110	0.080	0.040
31.	1000	90	9.0	203	17	0.040	0.020	0.080	0.050
FEB									
28.	0730	110	8.0	242	15	0.070	0.060	0.070	0.040
APR									
04.	1500	41	8.0	114	7	0.040	<0.010	0.120	--
MAY									
02.	0730	130	8.0	398	14	0.050	0.140	0.110	0.060
JUN									
06.	1540	64	6.0	187	11	0.060	0.060	0.070	0.040
AUG									
01.	1400	110	8.0	304	--	0.150	<0.050	0.080	<0.030
29.	1300	--	4.0	--	9	0.180	<0.050	0.080	<0.030
SEP									
05.	1545	120	4.0	421	10	0.180	0.050	0.050	0.050

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	0718	<1	<1	<15	10	<0.50	20	5.7
NOV								
15.	1345	<1	1	<15	2	--	--	12
DEC								
06.	1622	--	--	<15	9	--	--	9.9
JAN								
03.	0745	1	2	<15	5	--	80	13
31.	1000	1	<1	32	1	--	50	13
FEB								
28.	0730	<1	--	21	3	--	130	9.5
APR								
04.	1500	1	1	37	3	--	80	12
MAY								
02.	0730	<1	<1	30	5	--	<10	14
JUN								
06.	1540	<1	3	<15	3	--	30	14
AUG								
01.	1400	<1	<1	<15	<1	--	40	11
29.	1300	<1	1	<15	<2	--	--	8.4
SEP								
05.	1545	<1	<1	16	2	<0.40	30	8.0

07362480 JUG CREEK NEAR FORDYCE, ARK.

LOCATION.--Lat 33°49'29", long 92°23'13", in NE ¼ NW ¼ sec.25, T.10 S., R.13 W., Dallas County, Hydrologic Unit 08040201, at bridge on county road 1.3 mi northeast of Fordyce.

PERIOD OF RECORD.--October 1986 to September 1987.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
18...	1227	9827	9827	7.7	22.0	15	1.5	--	140
NOV									
15...	1125	9827	9827	7.5	18.0	15	1.3	27	90
DEC									
20...	1135	9827	9827	7.8	12.0	20	6.5	--	49
JAN									
17...	1220	9827	9827	7.0	8.0	20	8.8	--	30
FEB									
14...	1115	9827	9827	6.4	11.0	50	8.3	3.6	4.5
MAR									
21...	1100	9827	9827	7.2	12.0	20	4.9	--	170
APR									
18...	1128	9827	9827	7.3	19.0	30	2.0	<1.0	40
MAY									
16...	1100	9827	9827	7.4	20.0	30	1.2	--	28
JUN									
20...	1115	9827	9827	7.4	25.0	20	0.7	15	56
AUG									
01...	1200	9827	9827	7.4	27.0	15	1.1	7.0	130
29...	1115	9827	9827	7.6	30.0	10	1.2	--	78
SEP									
05...	1134	9827	9827	7.6	27.0	15	2.1	--	67

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
18...	1227	29	554	18	1.80	2.00	0.50	2.5	6.50
NOV									
15...	1125	28	389	18	1.80	1.30	0.70	2.0	4.90
DEC									
20...	1135	28	312	33	2.30	2.00	3.6	5.6	2.80
JAN									
17...	1220	24	237	12	0.200	4.00	0.50	4.5	1.60
FEB									
14...	1115	8.0	93	--	0.130	0.520	0.78	1.3	0.340
MAR									
21...	1100	29	493	21	0.500	1.60	0.0	1.1	1.00
APR									
18...	1128	--	291	41	0.260	--	--	--	--
MAY									
16...	1100	22	239	39	0.290	2.80	3.0	5.8	2.40
JUN									
20...	1115	19	298	28	<0.010	4.00	0.0	3.7	--
AUG									
01...	1200	16	466	14	<0.020	2.62	0.0	2.4	1.80
29...	1115	20	370	17	0.020	--	--	6.2	3.50
SEP									
05...	1134	--	--	16	<0.020	2.25	4.3	6.5	2.70

07362480 JUG CREEK NEAR FORDYCE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	1227	5.80	--	<1	<15	<1	<0.50	10	23
NOV									
15...	1125	3.80	<1	<1	<15	3	--	20	20
DEC									
20...	1135	2.30	<1	--	<15	3	--	10	21
JAN									
17...	1220	1.40	<1	1	<15	3	--	30	17
FEB									
14...	1115	0.200	<1	<1	--	4	--	30	16
MAR									
21...	1100	0.630	<1	<1	<15	1	--	20	17
APR									
18...	1128	1.40	<1	<1	37	1	--	10	21
MAY									
16...	1100	2.00	<1	1	<15	1	--	20	19
JUN									
20...	1115	2.80	<1	<1	<15	2	--	20	19
AUG									
01...	1200	1.25	--	--	<15	<2	--	--	18
29...	1115	2.13	<1	<1	<15	<2	--	<10	21
SEP									
05...	1134	2.21	<1	<1	16	<2	<0.40	<10	23

07362550 MORO CREEK NEAR BANKS, ARK.

LOCATION.--Lat 33°32'38", long 92°19'00", in sec.35 T.13 S., R.12 W., Bradley-Calhoun county line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--April 1974 to September 1978, October 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
NOV									
15.	0830	9827	9827	0.0	--	16.0	4.0	1.2	--
DEC									
06.	0905	9827	9827	690	--	7.0	8.0	8.6	1.7
JAN									
03.	0910	9827	9827	880	6.7	9.0	15	8.5	1.4
FEB									
01.	0840	9827	9827	480	6.6	12.0	15	7.2	1.0
28.	0844	9827	9827	620	5.5	6.0	15	8.2	0.7
APR									
04.	0830	9827	9827	600	6.4	16.0	9.0	3.7	1.9
MAY									
02.	0920	9827	9827	0.0	6.9	19.0	15	4.3	2.1
JUN									
06.	0851	9827	9827	235	6.6	23.0	25	5.2	1.5
AUG									
30.	0845	9827	9827	0.0	6.8	21.0	15	2.8	1.5
SEP									
05.	1415	9827	9827	0.0	7.0	27.0	10	4.4	0.8

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
NOV									
15.	0830	5.0	2.0	55	13	0.010	0.020	0.090	0.030
DEC									
06.	0905	3.0	9.0	71	1	0.010	0.040	0.070	0.040
JAN									
03.	0910	4.5	9.0	93	4	0.010	<0.010	0.090	0.040
FEB									
01.	0840	4.5	8.0	77	12	0.020	0.040	0.050	0.040
28.	0844	3.0	7.0	62	6	0.020	0.050	0.060	0.030
APR									
04.	0830	3.5	9.0	60	5	0.030	<0.010	0.130	--
MAY									
02.	0920	6.2	6.0	96	14	0.080	0.090	0.120	0.010
JUN									
06.	0851	4.7	7.0	89	19	0.130	0.060	0.100	0.040
AUG									
30.	0845	6.1	4.0	--	17	0.130	<0.050	0.110	0.040
SEP									
05.	1415	5.3	5.0	93	9	0.150	<0.050	0.100	0.070

07362550 MORO CREEK NEAR BANKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV								
15.	0830	<1	1	<15	5	--	--	12
DEC								
06.	0905	--	--	<15	7	--	--	21
JAN								
03.	0910	1	2	<15	6	--	30	19
FEB								
01.	0840	<1	<1	<15	2	--	20	17
28.	0844	<1	2	31	6	--	70	16
APR								
04.	0830	<1	<1	25	6	--	30	19
MAY								
02.	0920	<1	<1	30	7	--	20	15
JUN								
06.	0851	<1	1	16	<1	--	20	14
AUG								
30.	0845	<1	25	<15	<2	--	--	12
SEP								
05.	1415	<1	<1	<15	4	<0.40	<10	13

07363002 SALINE RIVER WEST OF BENTON, ARK.

LOCATION.--Lat 34°33'46', long 92°36'55", in sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on Old U.S. Highway 67, 3.4 downstream from confluence of North Fork and Alum Fork, and at mile 197.7.

DRAINAGE AREA.--550 mi².

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
04...	1300	9827	9827	156	--	21.0	8.0	7.8	0.6	3.0
NOV										
01...	1315	9827	9827	68	7.1	17.0	3.0	9.3	0.4	3.5
DEC										
06...	1320	9827	9827	298	6.6	10.0	5.0	11.2	0.3	1.5
JAN										
03...	1310	9827	9827	694	--	9.0	5.5	11.3	0.6	2.5
31...	1340	9827	9827	804	7.0	10.0	8.0	11.1	0.7	2.5
FEB										
28...	1345	9827	9827	3430	6.3	7.0	30	11.4	0.8	1.0
APR										
04...	1330	9827	9827	1800	7.1	18.0	40	8.4	1.9	1.5
MAY										
02...	1400	9827	9827	355	7.7	20.0	5.2	8.8	1.2	2.4
JUN										
06...	1315	9827	9827	1350	7.4	24.0	20	7.4	1.1	2.7
JUL										
18...	1415	9827	9827	8360	7.2	23.0	90	6.6	2.5	3.7
AUG										
15...	1415	9827	9827	70	7.7	28.0	3.0	8.2	0.9	3.5
SEP										
19...	1310	9827	9827	130	7.6	23.0	4.0	8.2	0.4	--

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	1300	6.0	--	5	0.210	0.060	0.14	0.20	0.040
NOV									
01...	1315	6.0	97	2	0.040	0.030	--	--	0.010
DEC									
06...	1320	7.0	69	4	0.120	0.040	0.36	0.40	0.020
JAN									
03...	1310	7.0	92	4	0.110	<0.010	--	0.40	0.030
31...	1340	8.0	66	4	0.020	0.010	--	--	0.030
FEB									
28...	1345	5.0	--	18	0.090	0.030	0.37	0.40	0.060
APR									
04...	1330	6.0	52	30	0.120	<0.010	--	0.80	0.150
MAY									
02...	1400	8.0	97	5	<0.010	<0.010	--	0.40	0.050
JUN									
06...	1315	5.0	75	17	0.080	0.030	0.55	0.58	0.060
JUL									
18...	1415	7.0	83	101	0.090	<0.050	--	1.3	0.100
AUG									
15...	1415	4.0	82	3	<0.020	<0.050	--	0.37	<0.030
SEP									
19...	1310	5.0	74	4	0.060	--	--	0.36	0.030

07363002 SALINE RIVER WEST OF BENTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1300	0.040	<1	24	31	1	<0.50	90	7.2
NOV									
01...	1315	0.040	<1	<1	<15	7	--	<10	3.6
DEC									
06...	1320	0.010	<1	<1	<15	<1	--	<10	2.9
JAN									
03...	1310	0.010	<1	<1	<15	5	--	20	2.4
31...	1340	0.010	<1	<1	<15	<1	--	20	3.7
FEB									
28...	1345	0.020	<1	1	25	1	--	<10	4.9
APR									
04...	1330	0.030	<1	<1	--	1	--	--	5.1
MAY									
02...	1400	<0.010	--	<1	<15	1	--	<10	4.3
JUN									
06...	1315	<0.010	<1	--	<15	1	--	--	--
JUL									
18...	1415	0.030	<1	<1	<15	3	--	<10	13
AUG									
15...	1415	<0.030	<1	<1	<15	<2	--	<10	3.0
SEP									
19...	1310	<0.030	<1	1	23	<2	<0.40	<10	--

07363054 SALINE RIVER NEAR SHAW, ARK.

LOCATION.--Lat 34°29'56", long 92°33'46", in NW ¼ NW ¼ sec.1, T.3 S., R.15 W., Saline County, Hydrologic Unit 08040203, at Shaw Bridge, 2.0 mi west of Shaw, and 2.0 mi east of Dotted Lake.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT										
04...	1400	9827	9827	166	--	21.0	10	7.4	0.7	4.0
NOV										
01...	1400	9827	9827	74	7.0	17.0	5.0	8.8	0.5	5.0
DEC										
06...	1415	9827	9827	321	6.5	10.0	6.5	10.6	0.8	3.0
JAN										
03...	1400	9827	9827	730	--	9.0	9.0	10.9	0.7	3.0
31...	1410	9827	9827	852	6.9	10.0	10	10.7	0.5	3.5
FEB										
28...	1430	9827	9827	3580	6.3	8.0	35	11.3	0.8	1.5
APR										
04...	1415	9827	9827	1870	7.1	18.0	35	8.7	1.9	1.5
MAY										
02...	1445	9827	9827	375	7.6	20.0	7.1	8.4	1.7	3.2
JUN										
06...	1406	9827	9827	1410	7.4	25.0	25	7.1	1.1	3.1
AUG										
15...	1445	9827	9827	78	7.6	--	4.5	7.3	0.8	4.5
SEP										
19...	1340	9827	9827	141	7.5	23.0	7.0	7.5	0.5	--

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	1400	7.0	--	12	0.510	0.060	0.24	0.30	0.110
NOV									
01...	1400	14	108	4	0.230	0.070	--	--	0.170
DEC									
06...	1415	40	115	5	0.220	0.040	0.16	0.20	0.070
JAN									
03...	1400	24	103	8	0.170	0.040	0.46	0.50	0.090
31...	1410	29	93	6	0.060	0.030	--	--	0.050
FEB									
28...	1430	20	--	29	0.110	0.040	0.36	0.40	0.080
APR									
04...	1415	17	67	36	0.180	<0.010	--	0.60	0.140
MAY									
02...	1445	25	115	12	0.050	0.060	0.54	0.60	0.080
JUN									
06...	1406	14	97	28	0.110	0.040	0.50	0.54	0.080
AUG									
15...	1445	32	119	5	0.210	0.110	0.31	0.42	0.140
SEP									
19...	1340	44	135	9	0.210	--	--	0.31	0.170

07363054 SALINE RIVER NEAR SHAW, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	1400	0.090	<1	<1	41	1	<0.50	<10	6.8
NOV									
01...	1400	0.170	<1	<1	<15	<1	--	10	3.9
DEC									
06...	1415	0.050	<1	1	<15	3	--	--	2.9
JAN									
03...	1400	0.030	<1	<1	<15	2	--	10	3.2
31...	1410	0.020	<1	<1	<15	1	--	20	3.5
FEB									
28...	1430	0.030	<1	2	25	2	--	<10	5.2
APR									
04...	1415	0.030	<1	<1	--	1	--	--	4.4
MAY									
02...	1445	<0.010	--	<1	<15	1	--	<10	4.8
JUN									
06...	1406	<0.010	<1	--	<15	2	--	--	--
AUG									
15...	1445	0.100	<1	<1	<15	<2	--	<10	2.4
SEP									
19...	1340	0.080	<1	1	23	<2	<0.40	<10	--

07363200 SALINE RIVER NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°06'56", long 92°24'21", in NE ¼ NW ¼ sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 1.0 mi upstream from Gamble Creek, 1.6 mi downstream from Lost Creek, 2.1 mi upstream from Hurricane Creek, 13.5 mi south of Sheridan, and at mi 131.4.

DRAINAGE AREA.--1,123 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
18.	1055	9827	9827	66	8.1	20.0	9.0	8.0	0.8
NOV									
15.	1027	9827	9827	189	8.1	16.0	7.0	8.6	0.6
DEC									
20.	1050	9827	9827	364	8.1	9.0	10	10.7	0.9
JAN									
17.	1140	9827	9827	6280	6.6	8.0	20	9.9	1.1
FEB									
14.	1030	9827	9827	3190	6.8	10.0	25	9.2	1.3
MAR									
21.	1015	9827	9827	1220	7.0	11.0	20	9.2	0.9
APR									
18.	1045	9827	9827	908	7.2	19.0	10	8.3	1.0
MAY									
16.	1015	9827	9827	960	7.2	20.0	15	6.9	0.9
JUN									
20.	1030	9827	9827	383	7.3	26.0	20	5.9	0.4
AUG									
01.	1120	9827	9827	1040	7.1	27.0	15	5.7	1.1
29.	1040	9827	9827	187	7.5	30.0	7.0	6.7	1.0
SEP									
05.	1434	9827	9827	1480	7.2	26.0	25	6.8	1.6

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	1055	4.0	15	119	5	0.140	0.040	0.060	0.040
NOV									
15.	1027	5.0	26	110	6	0.030	0.020	0.090	0.060
DEC									
20.	1050	3.5	28	89	7	0.200	0.090	0.070	0.040
JAN									
17.	1140	2.5	16	67	7	0.040	0.020	0.070	0.030
FEB									
14.	1030	2.5	10	65	--	0.090	0.080	0.090	0.030
MAR									
21.	1015	3.0	24	85	22	0.150	0.060	0.050	0.030
APR									
18.	1045	4.0	--	87	12	0.050	--	--	<0.010
MAY									
16.	1015	3.6	22	88	17	0.130	0.040	0.100	0.070
JUN									
20.	1030	4.0	25	95	22	0.260	0.020	--	0.020
AUG									
01.	1120	2.2	14	85	20	0.140	<0.050	0.080	0.030
29.	1040	3.8	14	85	9	0.100	--	0.070	0.030
SEP									
05.	1434	2.6	--	--	27	0.150	<0.050	0.080	0.040

07363200 SALINE RIVER NEAR SHERIDAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18...	1055	--	<1	<15	1	<0.50	<10	4.9
NOV								
15...	1027	<1	1	<15	2	--	<10	3.9
DEC								
20...	1050	<1	--	<15	3	--	<10	3.9
JAN								
17...	1140	<1	1	<15	<1	--	10	10
FEB								
14...	1030	<1	<1	<15	<1	--	10	8.3
MAR								
21...	1015	<1	<1	<15	<1	--	10	4.3
APR								
18...	1045	<1	<1	<15	<1	--	<10	5.4
MAY								
16...	1015	<1	1	<15	1	--	<10	6.4
JUN								
20...	1030	<1	<1	<15	2	--	<10	6.4
AUG								
01...	1120	--	--	<15	<2	--	--	8.7
29...	1040	<1	<1	<15	<2	--	<10	4.5
SEP								
05...	1434	<1	1	<15	<2	<0.40	<10	10

07363270 HURRICANE CREEK NEAR SARDIS, ARK.

LOCATION.--Lat 34°30'40", long 92°24'54", in SW ¼ sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.

DRAINAGE AREA.--66.0 mi².

PERIOD OF RECORD.--April 1974 to September 1976, October 1977 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT									
18.	0900	9827	9827	8.8	7.9	19.0	9.5	7.4	0.5
NOV									
15.	0834	9827	9827	18	8.3	15.0	80	6.0	1.0
DEC									
20.	0855	9827	9827	--	8.3	10.0	15	10.0	0.9
JAN									
17.	0935	9827	9827	73	8.1	7.0	15	10.8	0.7
FEB									
14.	0900	9827	9827	940	6.9	11.0	100	8.7	2.0
MAR									
21.	0840	9827	9827	910	7.2	11.0	50	9.4	2.1
APR									
18.	0900	9827	9827	29	7.7	18.0	6.5	8.2	0.6
MAY									
16.	0845	9827	9827	36	7.9	20.0	15	7.6	0.8
JUN									
20.	0852	9827	9827	12	8.0	24.0	7.0	6.9	0.3
AUG									
01.	0855	9827	9827	36	7.8	25.0	25	6.0	0.3
29.	0900	9827	9827	--	7.9	28.0	2.0	5.0	0.6
SEP									
05.	0900	9827	9827	16	7.9	25.0	4.0	7.0	2.4

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	0900	15	940	1490	4	0.480	0.070	<0.010	<0.010
NOV									
15.	0834	12	410	998	50	0.160	0.120	0.090	0.070
DEC									
20.	0855	6.5	240	505	7	0.270	0.210	0.060	0.020
JAN									
17.	0935	4.5	71	177	10	0.320	0.060	0.080	0.050
FEB									
14.	0900	2.0	24	119	--	0.190	0.100	0.170	0.080
MAR									
21.	0840	3.5	40	135	55	0.220	0.080	0.130	0.050
APR									
18.	0900	6.5	--	439	9	0.040	--	--	<0.010
MAY									
16.	0845	6.5	230	461	15	0.170	0.030	0.070	0.060
JUN									
20.	0852	9.8	470	832	6	0.240	0.030	--	0.020
AUG									
01.	0855	5.2	190	469	17	0.080	<0.050	0.050	<0.030
29.	0900	6.1	250	542	1	0.130	--	0.050	<0.030
SEP									
05.	0900	9.2	--	--	5	0.210	0.050	0.030	0.030

07363270 HURRICANE CREEK NEAR SARDIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	0900	--	1	<15	<1	<0.50	<10	1.6
NOV								
15.	0834	<1	11	<15	9	--	30	14
DEC								
20.	0855	<1	--	<15	4	--	<10	6.0
JAN								
17.	0935	<1	3	<15	3	--	--	5.6
FEB								
14.	0900	<1	1	<15	2	--	20	15
MAR								
21.	0840	<1	2	<15	1	--	10	7.6
APR								
18.	0900	<1	1	<15	<1	--	<10	6.2
MAY								
16.	0845	<1	1	<15	1	--	<10	6.1
JUN								
20.	0852	<1	1	31	3	--	10	9.6
AUG								
01.	0855	--	--	<15	<2	--	--	12
29.	0800	<1	1	<15	<2	--	<10	12
SEP								
05.	0900	<1	<1	<15	2	<0.40	<10	6.7

07363300 HURRICANE CREEK NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°19'10", long 92°20'40", in NW¼NE¼ sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi downstream from Simpson Creek, 3.5 mi east of Sheridan, and at mile 16.9.

DRAINAGE AREA.--204 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements 1957-61. October 1961 to current year. Gage-height records and results of discharge measurements 1960-63 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers.)

REMARKS.--Records good above 100 ft^3/s, and poor below because of unstable control conditions.

AVERAGE DISCHARGE.--28 years, 239 ft^3/s, 15.91 in/yr, 173,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft^3/s Dec. 27, 1987, gage height, 16.83 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1939, 18.55 ft June 27, 1960, from floodmarks, discharge, 52,300 ft^3/s by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Mar. 29	2400	*11,000	*15.50	July 20	1900	6,260	14.61

No flow Oct. 1, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	11	305	311	163	2040	2260	1350	88	89	350	34
2	1.8	12	186	295	144	1320	1210	e1450	84	385	157	25
3	5.7	13	160	211	710	676	459	e1330	81	283	94	78
4	2.3	13	147	168	2930	388	1290	e1240	81	107	73	90
5	1.2	12	139	145	2670	587	2290	e1070	98	64	59	55
6	3.0	11	135	154	2020	1460	1470	e997	117	46	50	39
7	3.9	12	131	197	1080	1840	538	e852	108	53	49	33
8	4.1	13	130	240	363	1520	312	e920	145	211	80	46
9	4.9	13	131	259	280	1030	254	e1240	305	99	61	35
10	5.0	14	129	187	240	558	203	e1390	210	63	47	34
11	5.1	13	127	163	214	369	172	1190	127	48	41	38
12	2.8	13	126	287	199	324	159	524	103	40	34	39
13	2.0	14	124	693	217	278	150	234	93	129	30	35
14	1.7	13	122	1240	1050	245	147	267	99	446	29	34
15	1.2	20	116	1420	3990	214	152	305	263	570	30	34
16	.80	21	111	1450	4120	184	175	230	265	1840	28	37
17	.43	20	109	934	3590	159	161	173	105	2940	28	33
18	.04	14	115	363	2960	148	142	310	68	2070	27	30
19	.00	47	115	256	2330	148	129	698	51	2660	26	27
20	4.4	274	115	201	1800	468	120	454	45	4920	23	26
21	12	829	116	170	2120	1040	114	242	41	3970	23	42
22	10	2570	116	150	2210	1260	108	178	33	1840	25	34
23	11	1500	119	136	1580	1110	102	407	30	742	24	27
24	10	700	141	130	1070	548	99	435	31	302	24	28
25	12	239	132	126	501	303	97	231	30	178	25	33
26	11	351	125	131	370	243	92	145	30	608	20	37
27	6.8	967	127	188	515	226	89	118	27	1650	20	41
28	8.9	1480	358	222	1820	395	88	115	34	652	28	38
29	13	1320	778	188	---	4670	87	118	34	192	29	33
30	16	973	776	201	---	7520	307	105	41	120	31	37
31	13	---	322	196	---	4330	---	96	---	172	52	---
TOTAL	174.07	11502	5883	11014	41256	35621	12976	18414	2867	27489	1617	1152
MEAN	5.62	383	190	355	1473	1149	433	594	95.6	887	52.2	38.4
MAX	16	2570	778	1450	4120	7520	2290	1450	305	4920	350	90
MIN	.00	11	109	126	144	148	87	96	27	40	20	25
AC-FT	345	22810	11670	21850	81830	70650	25740	36520	5690	54520	3210	2280
CFSM	.03	1.88	.93	1.74	7.22	5.63	2.12	2.91	.47	4.35	.26	.19
IN.	.03	2.10	1.07	2.01	7.52	6.50	2.37	3.36	.52	5.01	.29	.21

CAL YR 1988 TOTAL 65941.78 MEAN 180 MAX 2570 MIN .00 AC-FT 130800 CFSM .88 IN. 12.02
WTR YR 1989 TOTAL 169965.07 MEAN 466 MAX 7520 MIN .00 AC-FT 337100 CFSM 2.28 IN. 30.99

e Estimated

07363337 BIG CREEK NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°17'22", long 92°22'12", in SE ¼ NW ¼ sec.14, T.5 S., R.13 W., Grant County, Hydrologic Unit 08040203, at bridge on county road 1.8 mi southeast of Sheridan.

PERIOD OF RECORD.--October 1986 to September 1987.

COOPERATION.--Records were furnished by Arkansas Department of PollutionControl and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
18...	1007	9827	9827	7.4	18.0	9.0	<0.1	--	21
NOV									
15...	0950	9827	9827	7.3	15.0	10	<0.1	8.8	19
DEC									
20...	1000	9827	9827	7.2	9.0	20	2.5	2.4	10
JAN									
17...	1030	9827	9827	7.3	7.0	20	9.6	1.2	5.0
MAR									
21...	0930	9827	9827	6.5	11.0	60	8.6	2.5	3.0
APR									
18...	1000	9827	9827	6.9	18.0	20	4.5	2.6	6.5
MAY									
16...	0927	9827	9827	6.9	19.0	25	5.3	1.5	5.9
JUN									
20...	0945	9827	9827	6.9	24.0	25	1.9	3.8	8.1
AUG									
01...	1035	9827	9827	6.9	26.0	25	2.1	2.3	4.9
29...	0950	9827	9827	7.4	27.0	15	0.2	--	9.5
SEP									
05...	1444	9827	9827	7.1	24.0	15	0.7	4.9	11

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
18...	1007	9.0	191	14	0.020	0.430	--	--	1.00
NOV									
15...	0950	29	196	15	0.020	0.630	1.6	2.2	0.580
DEC									
20...	1000	25	120	6	0.180	1.30	0.50	1.8	0.310
JAN									
17...	1030	13	86	8	0.190	0.230	0.67	0.90	0.140
MAR									
21...	0930	9.0	73	61	0.100	0.090	0.81	0.90	0.160
APR									
18...	1000	--	75	18	0.250	--	--	0.70	--
MAY									
16...	0927	9.0	77	16	0.090	0.090	0.81	0.90	0.190
JUN									
20...	0945	11	95	22	0.300	0.180	1.4	1.6	--
AUG									
01...	1035	11	94	17	0.200	0.360	0.74	1.1	0.380
29...	0950	12	166	5	<0.020	--	--	3.8	0.860
SEP									
05...	1444	--	--	18	0.020	1.20	1.5	2.7	0.720

07363337 BIG CREEK NEAR SHERIDAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
18...	1007	0.590	--	<1	<15	2	<0.50	<10	21
NOV									
15...	0950	0.200	<1	2	44	5	--	20	20
DEC									
20...	1000	0.210	<1	--	<15	5	--	20	8.6
JAN									
17...	1030	0.080	<1	2	<15	3	--	10	7.6
MAR									
21...	0930	0.060	<1	3	<15	<1	--	20	12
APR									
18...	1000	0.150	<1	1	<15	1	--	10	7.9
MAY									
16...	0927	0.160	<1	<1	<15	1	--	<10	8.3
JUN									
20...	0945	0.090	<1	<1	<15	2	--	20	11
AUG									
01...	1035	0.210	--	--	<15	<2	--	--	10
29...	0950	0.610	<1	3	<15	10	--	<10	17
SEP									
05...	1444	0.400	1	<1	<15	2	<0.40	60	21

07363465 BIG CREEK NEAR PANSY, ARK.

LOCATION.--Lat 33°49'44", long 92°04'58", in NE ¼ sec.24, T.10 S., R.10 W., Cleveland County, Hydrologic Unit 08040204, at bridge on State Highway 35, 1.0 mi upstream from Saline River, and 5.0 mi west of Pansy.

DRAINAGE AREA.--157 mi².

PERIOD OF RECORD.--November 1983 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT									
18.	1430	9827	9827	7.7	20.0	20	2.9	1.9	2.0
NOV									
15.	1255	9827	9827	7.5	18.0	20	<0.5	4.8	3.0
DEC									
20.	1300	9827	9827	7.5	9.0	20	8.6	1.1	5.0
JAN									
17.	1340	9827	9827	6.4	8.0	15	9.9	1.0	2.0
FEB									
14.	1315	9827	9827	6.4	11.0	45	9.0	1.5	3.5
MAR									
21.	1225	9827	9827	6.5	12.0	20	8.7	1.2	5.0
APR									
18.	1252	9827	9827	6.7	18.0	15	7.0	0.7	6.0
MAY									
16.	1150	9827	9827	6.5	19.0	25	6.9	1.0	4 0
JUN									
20.	1240	9827	9827	6.2	23.0	30	6.2	0.4	3.3
AUG									
01.	1245	9827	9827	6.5	26.0	25	5.0	0.4	2.5
29.	1205	9827	9827	6.5	28.0	20	5.3	1.0	2.1
SEP									
05.	1400	9827	9827	6.2	25.0	20	6.2	1.4	2.2

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
18.	1430	5.0	104	21	0.010	0.070	0.110	0.020
NOV								
15.	1255	8.0	68	13	0.020	0.060	0.140	0.030
DEC								
20.	1300	32	88	2	0.060	0.080	0.060	0.020
JAN								
17.	1340	12	82	4	0.040	0.030	0.070	0.030
FEB								
14.	1315	16	72	--	0.120	0.070	0.100	0.030
MAR								
21.	1225	36	88	11	0.280	0.180	0.090	0.060
APR								
18.	1252	--	90	7	<0.010	--	--	0.010
MAY								
16.	1150	23	84	26	0.040	0.060	0.080	0.070
JUN								
20.	1240	16	71	29	0.110	0.020	--	0.020
AUG								
01.	1245	13	82	15	0.150	0.050	0.080	<0.030
29.	1205	7.0	58	16	0.120	--	0.080	0.040
SEP								
05.	1400	--	--	24	0.040	<0.050	0.060	<0.030

07363465 BIG CREEK NEAR PANSY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1430	--	<1	<15	<1	<0.50	<10	9.0
NOV								
15.	1255	<1	1	<15	3	--	10	9.5
DEC								
20.	1300	<1	--	<15	2	--	10	8.8
JAN								
17.	1340	<1	2	<15	4	--	10	15
FEB								
14.	1315	<1	<1	<15	<1	--	20	11
MAR								
21.	1225	<1	<1	<15	<1	--	20	7.4
APR								
18.	1252	<1	1	<15	<1	--	<10	8.3
MAY								
16.	1150	<1	3	<15	1	--	70	11
JUN								
20.	1240	<1	<1	<15	2	--	10	8.9
AUG								
01.	1245	--	--	<15	3	--	--	12
29.	1205	<1	<1	<15	<2	--	<10	9.4
SEP								
05.	1400	--	<1	<15	<2	<0.40	<10	15

07363500 SALINE RIVER NEAR RYE, ARK.

LOCATION.--Lat 33°42'03", long 92°01'33", in SW¼NW¼ sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 mi².

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above National Geodetic Vertical datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years, 2,643 ft³/s, 17.08 in/yr, 1,915,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 ft³/s May 18, 1968, gage height, 31.40 ft; minimum, 3.5 ft³/s Sept. 27, 28, 1954, gage height, 3.84 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft, discharge, about 73,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Nov. 30	0700	12,800	23.01	July 02	2100	13,200	23.14
Feb. 22	0300	*35,200	*26.71	July 26	1400	14,500	23.52
Apr. 04	1500	26,800	26.08				

Minimum discharge, 23 ft³/s Oct. 1, gage height, 4.89 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	162	11700	5350	3730	14900	11500	866	1120	7360	7090	565
2	27	157	10400	5630	3250	13800	13200	1350	997	12600	5380	433
3	26	142	9270	5590	3250	12400	20900	1900	824	12600	3360	529
4	26	131	6660	5340	4790	11200	26400	2450	733	11200	1970	1020
5	30	119	8470	5170	5870	11000	24900	3600	790	9980	1620	1380
6	173	105	8340	5160	6600	10900	20300	4360	1080	8950	1270	1680
7	344	87	8050	5130	6820	10600	16300	4310	1170	8040	942	1580
8	293	76	7510	4890	6860	10600	13500	3920	1970	6800	722	1230
9	223	92	6190	4200	7050	10400	11600	3840	4150	4960	596	821
10	175	102	3690	3280	7830	9970	10500	3980	4790	3600	509	596
11	142	110	1800	2800	8930	9410	9880	3910	4720	3010	459	472
12	120	119	1290	3640	10100	9290	9250	3730	4120	2580	426	412
13	105	130	1130	5880	11000	9690	8410	3540	3110	2260	380	386
14	93	122	1010	7620	11700	10200	7220	3560	3060	2910	337	417
15	81	119	910	9280	12400	10200	5080	3770	5070	3240	306	567
16	76	136	823	9950	12500	9510	2570	e4000	5770	3810	278	593
17	72	162	762	10000	13700	8490	1570	e3700	5530	4120	262	546
18	68	215	696	9900	14700	7180	1410	3840	4970	5490	248	486
19	74	282	649	9660	15900	5240	1380	4640	4000	7110	232	441
20	81	452	615	9290	21900	3070	1290	4520	2250	8010	214	412
21	69	633	605	8840	32300	2030	1150	4250	1130	8600	202	375
22	57	1150	618	8420	34400	2100	987	e3800	e790	9590	199	339
23	58	1630	647	8010	30400	2640	872	e3300	605	10800	209	302
24	62	2190	693	7460	25300	3120	784	2820	494	12300	220	268
25	85	3280	707	6470	21200	3420	710	2140	416	13400	207	251
26	101	5410	752	4580	18200	3670	657	1720	362	14300	195	236
27	100	7670	872	2470	16400	3950	609	1780	349	14000	214	213
28	109	9470	1700	1680	15700	4330	556	1730	354	12800	306	196
29	128	11800	3270	2160	---	5940	554	1350	e570	11200	239	189
30	137	12700	4100	3720	---	8280	577	987	2420	9800	278	188
31	157	---	4750	4030	---	10100	---	992	---	8510	515	---
TOTAL	3318	58953	110681	185580	382780	247630	224616	94655	67714	253930	29385	17123
MEAN	107	1965	3570	5986	13670	7988	7487	3053	2257	8191	948	571
MAX	344	12700	11700	10000	34400	14900	26400	4640	5770	14300	7090	1680
MIN	26	76	605	1680	3250	2030	554	866	349	2260	195	188
AC-FT	6580	116900	219500	368100	759200	491200	445500	187700	134300	503700	58290	33960
CFSM	.05	.93	1.70	2.85	6.50	3.80	3.56	1.45	1.07	3.90	.45	.27
IN.	.06	1.04	1.96	3.28	6.77	4.38	3.98	1.68	1.20	4.49	.52	.30

CAL YR 1988 TOTAL 917415 MEAN 2507 MAX 59400 MIN 21 AC-FT 1820000 CFSM 1.19 IN. 16.24
WTR YR 1989 TOTAL 1676365 MEAN 4593 MAX 34400 MIN 26 AC-FT 3325000 CFSM 2.18 IN. 29.67

e Estimated

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARK.

LOCATION.--Lat 33°22'42", long 91°57'35", in sec.30, T.15 S., R.8 W., Ashley County, Hydrologic Unit 08040204, at bridge on State Highway 160, 8.0 mi west of Fountain Hill.

PERIOD OF RECORD.--January 1972 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
04.	1031	9827	9827	33	7.7	24.0	3.5	6.2	1.9
NOV									
01.	1000	9827	9827	211	7.5	16.0	4.5	9.8	2.1
DEC									
06.	1045	9827	9827	10900	6.8	6.0	15	8.7	1.7
JAN									
03.	1006	9827	9827	7340	6.9	19.0	25	9.4	--
31.	1130	9827	9827	5280	6.9	14.0	25	8.6	1.8
FEB									
28.	0905	9827	9827	20500	6.0	6.0	10	10.3	1.1
APR									
04.	1000	9827	9827	34600	6.8	16.0	10	6.1	1.9
MAY									
02.	1109	9827	9827	1700	7.2	18.0	15	6.3	1.5
JUN									
06.	1000	9827	9827	1400	7.0	22.0	--	5.7	1.8
AUG									
01.	1014	9827	9827	9390	6.9	26.0	4.5	3.8	1.3
29.	1230	9827	9827	303	7.6	33.0	5.5	--	2.8
SEP									
05.	1037	9827	9827	1740	7.2	29.0	10	6.6	1.1

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
04.	1031	8.0	9.0	--	11	0.080	0.050	--	<0.010
NOV									
01.	1000	--	15	--	5	0.190	0.170	0.040	0.020
DEC									
06.	1045	2.0	18	70	5	0.020	0.040	0.070	0.040
JAN									
03.	1006	4.5	19	--	13	0.060	<0.010	0.090	0.040
31.	1130	4.0	19	79	17	0.090	0.050	0.080	0.070
FEB									
28.	0905	3.0	12	65	2	0.010	0.060	0.080	0.020
APR									
04.	1000	1.5	13	54	6	0.050	0.050	0.120	0.010
MAY									
02.	1109	3.9	25	105	15	0.140	0.130	0.140	0.040
JUN									
06.	1000	5.1	19	93	34	0.270	0.100	0.120	0.020
AUG									
01.	1014	3.2	13	87	6	0.080	0.060	0.080	<0.030
29.	1230	5.1	36	110	5	0.130	0.060	0.070	<0.020
SEP									
05.	1037	4.4	28	112	11	0.240	<0.050	0.080	0.030

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
04.	1031	<1	--	30	9	<0.50	90	5.1
NOV								
01.	1000	<1	<1	18	3	--	10	5.1
DEC								
06.	1045	<1	--	<15	9	--	<10	13
JAN								
03.	1006	<1	1	<15	4	--	10	13
31.	1130	<1	<1	--	3	--	30	11
FEB								
28.	0905	<1	<1	19	1	--	130	9.1
APR								
04.	1000	1	1	--	3	--	10	13
MAY								
02.	1109	<1	--	52	7	--	--	8.3
JUN								
06.	1000	<1	1	15	2	--	10	6.3
AUG								
01.	1014	1	2	90	6	--	40	14
29.	1230	1	<1	33	2	--	10	5.0
SEP								
05.	1037	<1	1	25	5	--	20	6.4

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.

LOCATION.--Lat 34°06'24", long 91°54'06", in NW ¼ sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road 2.2 mi south of Ladd.

PERIOD OF RECORD.--May 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
18.	1527	9827	9827	--	7.5	20.0	20	2.9	1.9
NOV									
15.	1355	9827	9827	20	7.4	17.0	7.6	2.7	2.2
DEC									
20.	1350	9827	9827	--	7.7	11.0	40	7.3	1.7
JAN									
17.	1430	9827	9827	1130	6.8	9.0	40	8.4	1.6
FEB									
14.	1415	9827	9827	520	7.0	11.0	420	8.5	2.7
MAR									
21.	1315	9827	9827	25	6.9	12.0	35	7.8	1.1
APR									
18.	1348	9827	9827	20	6.9	22.0	45	5.4	1.7
MAY									
16.	1245	9827	9827	--	7.1	20.0	40	4.5	1.2
JUN									
20.	1330	9827	9827	323	6.7	26.0	25	3.4	1.4
AUG									
01.	1335	9827	9827	190	6.9	29.0	20	2.2	1.2
29.	1255	9827	9827	74	6.9	30.0	10	2.5	2.1
SEP									
05.	1450	9827	9827	127	7.1	28.0	30	3.7	1.9

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	1527	6.0	6.0	113	18	0.030	0.140	0.160	0.050
NOV									
15.	1355	8.5	8.0	88	6	0.020	0.040	0.130	0.070
DEC									
20.	1350	2.5	11	86	8	0.120	0.130	0.240	0.190
JAN									
17.	1430	2.0	9.0	90	9	0.080	0.040	0.150	0.110
FEB									
14.	1415	<0.50	8.0	217	260	0.140	0.140	0.620	0.360
MAR									
21.	1315	4.5	12	83	29	0.270	0.090	0.190	0.130
APR									
18.	1348	4.5	--	89	35	0.220	--	--	0.170
MAY									
16.	1245	3.9	12	87	29	0.160	0.100	0.310	0.210
JUN									
20.	1330	3.4	8.0	71	16	0.170	0.100	--	0.100
AUG									
01.	1335	2.3	10	83	14	0.140	0.150	0.300	0.200
29.	1255	3.8	7.0	68	21	0.100	--	0.260	0.140
SEP									
05.	1450	4.6	--	--	31	0.170	0.140	0.240	0.180

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1527	--	<1	<15	2	<0.50	10	6.9
NOV								
15.	1355	<1	1	<15	6	--	<10	7.9
DEC								
20.	1350	<1	--	<15	<1	--	10	10
JAN								
17.	1430	<1	3	<15	2	--	20	13
FEB								
14.	1415	<1	8	<15	10	--	40	6.7
MAR								
21.	1315	<1	1	<15	1	--	10	8.1
APR								
18.	1348	<1	1	<15	4	--	<10	11
MAY								
16.	1245	<1	12	<15	3	--	180	12
JUN								
20.	1330	<1	<1	<15	5	--	40	14
AUG								
01.	1335	--	--	<15	10	--	--	14
29.	1255	<1	<1	<15	<2	--	<10	9.9
SEP								
05.	1450	<1	1	16	<2	<0.40	<10	9.6

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE, ARK.

LOCATION.--Lat 33°51'59", long 91°39'22", in SE¼SW¼ sec.6, T.10 S., R.5 W., Lincoln County, Hydrologic Unit 08040205, on downstream side of bridge on State Highway 54, 1.9 mi upstream from Flat Creek at Garrett Bridge.

DRAINAGE AREA.--380 mi².

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,520 ft³/s Jan. 4, 1988, gage height, 21.94 ft; minimum, 0.60 ft³/s June 20, 1988, gage height, 1.31 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,810 ft³/s Feb. 23, gage height, 20.23 ft; minimum daily, 2.2 ft³/s Oct. 17-18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	26	e1400	822	1180	3290	2600	376	242	e1740	1910	65
2	12	17	e1300	847	1110	3150	2880	420	176	e2500	1720	84
3	9.3	12	e1200	850	1050	2930	2980	347	131	2640	1520	117
4	7.5	9.2	e1100	854	1050	2620	2920	329	101	2660	1310	151
5	7.1	8.4	e1000	882	1210	2510	2760	e350	82	2670	1130	169
6	8.0	8.8	965	914	e1300	2570	2570	e400	90	2610	965	163
7	8.3	9.2	876	939	1390	2640	2360	e480	136	2700	828	149
8	7.6	9.9	806	946	1330	2570	2130	e560	e170	2790	685	133
9	6.5	10	734	917	e1300	2360	1890	e640	e200	2750	544	119
10	5.6	11	667	871	1270	2130	1650	e720	e250	2640	414	119
11	4.7	10	592	801	1250	1890	1430	e780	e320	2420	298	130
12	4.0	12	503	1030	1210	1680	1240	e900	e400	2140	199	146
13	3.5	15	404	1460	1170	1500	1070	e880	e530	1950	133	154
14	3.1	17	302	2020	1340	1340	924	e810	e700	1810	99	174
15	2.8	59	215	2680	1780	1190	789	e690	e1000	1640	82	257
16	2.5	76	158	2930	2210	1060	667	704	e1300	1580	62	311
17	2.2	62	120	3030	2640	924	554	686	e1800	1770	50	279
18	2.2	95	94	3040	2980	795	447	760	e2100	2290	54	223
19	2.4	113	75	2950	3190	672	345	948	e1800	2650	65	166
20	2.7	211	63	2780	3350	571	265	1090	e1400	2840	84	121
21	2.7	341	81	2580	3680	497	220	1120	1180	2930	90	88
22	2.6	e450	81	2360	3790	464	190	1070	1050	3030	82	67
23	2.6	e540	71	2140	3800	450	167	992	945	3090	74	54
24	2.6	e620	69	1910	3760	413	146	906	858	3070	68	46
25	2.5	e730	68	1680	3650	363	135	823	786	2970	68	40
26	2.5	e880	82	1460	3490	322	122	745	714	2870	75	38
27	2.5	e1000	95	1270	3350	289	113	663	655	2770	85	34
28	2.7	e1200	284	1100	3330	275	109	583	619	2660	85	30
29	3.0	e1400	387	993	---	654	135	500	795	2500	76	28
30	4.4	e1500	559	1070	---	1470	175	412	1260	2310	75	27
31	23	---	729	1180	---	2100	---	325	---	2110	67	---
TOTAL	167.1	9452.5	15080	49306	62160	45689	33985	21009	21790	77120	12997	3682
MEAN	5.39	315	486	1591	2220	1474	1133	678	726	2488	419	123
MAX	23	1500	1400	3040	3800	3290	2980	1120	2100	3090	1910	311
MIN	2.2	8.4	63	801	1050	275	109	325	82	1580	50	27
AC-FT	331	18750	29910	97800	123300	90620	67410	41670	43220	153000	25780	7300

CAL YR 1988 TOTAL 162610.51 MEAN 444 MAX 4500 MIN .72 AC-FT 322500
WTR YR 1989 TOTAL 352437.6 MEAN 966 MAX 3800 MIN 2.2 AC-FT 699100

e Estimated

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, ARK.

LOCATION.--Lat 33°37'40", long 91°26'45", in NE¼SW¼ sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, at mile 200.5.

DRAINAGE AREA.--576 mi².

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1941. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi upstream.

REMARKS.--Records good except for estimated daily discharges Nov. 27 to Jan. 9, which are fair.

AVERAGE DISCHARGE.--48 years (1939-42, 1946-89), 689 ft³/s, 16.24 in/yr, 499,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,870 ft³/s May 11, 1958, gage height, 25.49 ft, present datum; minimum, 0.20 ft³/s Aug. 15-23, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft, present datum, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,540 ft³/s Feb. 28; maximum gage height, 21.69 ft July 8; minimum discharge, 6.7 ft³/s Oct. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	14	e930	e1400	1800	4500	966	155	603	2490	3260	137
2	21	14	e950	e1400	1710	4410	1270	142	548	3390	3070	145
3	20	14	e980	e1300	1650	4290	1670	137	479	3950	2840	144
4	19	14	e1100	e1210	1600	4130	2050	177	418	4240	e2600	135
5	17	14	e1200	e1200	1530	4120	2350	448	368	4340	e2400	119
6	16	15	e1300	e1200	1460	4060	2490	678	327	4370	e2300	105
7	15	19	e1200	e1100	1400	3940	2540	702	304	4380	e2200	104
8	14	22	e1200	e1100	1360	3810	2530	651	313	4340	e2000	115
9	13	22	e1100	e1100	1340	3670	2460	593	312	4270	e1800	127
10	12	23	e980	1120	1330	3490	2350	544	408	4200	1410	137
11	11	23	e920	1120	1300	3280	2220	515	595	4090	1240	143
12	9.5	26	e880	1380	1280	3060	2080	507	774	3940	1070	145
13	8.8	55	e830	1820	1280	2840	1910	515	922	3840	914	142
14	8.4	84	e720	2220	1450	2600	1750	526	1190	3670	766	137
15	7.8	84	e620	2600	1750	2360	1590	533	1460	3510	632	138
16	7.2	78	e570	2890	2000	2130	1430	545	1630	3450	504	152
17	6.8	70	e520	3150	2240	1920	1280	560	1800	3270	397	171
18	6.9	61	e480	3340	2500	1740	1140	652	1950	3290	358	182
19	8.1	57	e390	3460	2750	1570	997	771	2040	3290	295	192
20	8.6	111	e400	3510	3080	1420	864	841	2060	3360	264	204
21	9.6	161	e350	3490	3710	1300	743	890	2010	3430	242	209
22	10	174	e320	3420	4020	1180	629	927	1930	3470	211	204
23	11	175	e520	3280	4210	1070	523	947	1810	3490	176	189
24	12	185	e680	3120	4330	971	430	952	1690	3500	151	165
25	12	216	e570	2940	4400	886	363	939	1550	3490	135	138
26	13	369	e500	2740	4400	805	290	911	1410	3510	127	114
27	13	e460	e450	2530	4420	728	235	874	1270	3550	128	91
28	14	e800	e770	2300	4540	655	195	829	1250	3630	130	73
29	14	e870	e1200	2140	---	623	175	778	1480	3620	127	62
30	14	e910	e1400	2060	---	690	165	721	1790	3540	124	55
31	14	---	e1500	1920	---	792	---	661	---	3420	127	---
TOTAL	387.7	5140	25530	67560	68840	73040	39685	19621	34691	114330	31998	4174
MEAN	12.5	171	824	2179	2459	2356	1323	633	1156	3688	1032	139
MAX	21	910	1500	3510	4540	4500	2540	952	2060	4380	3260	209
MIN	6.8	14	320	1100	1280	623	165	137	304	2490	124	55
AC-FT	769	10200	50640	134000	136500	144900	78720	38920	68810	226800	63470	8280
CFSM	.02	.30	1.43	3.78	4.27	4.09	2.30	1.10	2.01	6.40	1.79	.24
IN.	.03	.33	1.65	4.36	4.45	4.72	2.56	1.27	2.24	7.38	2.07	.27

CAL YR 1988 TOTAL 226626.3 MEAN 619 MAX 4590 MIN 4.0 AC-FT 449500 CFSM 1.07 IN. 14.64
WTR YR 1989 TOTAL 484996.7 MEAN 1329 MAX 4540 MIN 6.8 AC-FT 962000 CFSM 2.31 IN. 31.32

e Estimated

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARK.

LOCATION.--Lat 33°05'55", long 92°35'32", in SE ¼ NW ¼ sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at bridge on county road, 0.8 mi downstream from Highbank Creek, and 8.5 mi southeast of El Dorado.

PERIOD OF RECORD.--October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT									
04...	0740	9827	9827	3.3	--	7.2	16.0	4.0	3.8
05...	1000	80513	80513	28	1650	--	17.0	--	--
NOV									
01...	0700	9827	9827	280	--	6.9	11.0	4.5	6.0
DEC									
06...	0745	9827	9827	32	--	6.2	4.0	6.5	8.0
JAN									
03...	0806	9827	9827	175	--	6.6	11.0	8.0	7.2
31...	0800	9827	9827	5700	--	6.7	11.0	20	6.8
FEB									
28...	0715	9827	9827	--	--	6.3	5.0	9.0	8.0
JUN									
06...	0700	9827	9827	--	--	6.6	21.0	--	2.9
AUG									
01...	0800	9827	9827	--	--	7.1	28.0	20	2.7
29...	0800	9827	9827	--	--	7.6	26.0	20	--
SEP									
05...	1452	9827	9827	--	--	7.9	29.0	30	8.2

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)
OCT									
04...	0740	0.6	530	100	--	6	0.170	0.070	--
NOV									
01...	0700	1.1	--	67	--	6	0.530	0.060	0.060
DEC									
06...	0745	0.8	450	71	931	6	1.20	0.150	0.100
JAN									
03...	0806	--	140	26	--	6	0.360	<0.010	0.100
31...	0800	2.5	61	15	179	8	0.070	0.050	0.120
FEB									
28...	0715	1.1	200	29	443	7	0.290	0.130	0.110
JUN									
06...	0700	1.9	110	24	275	12	0.110	0.080	0.230
AUG									
01...	0800	1.6	440	86	940	18	0.330	0.140	0.160
29...	0800	2.3	93	230	722	36	0.160	<0.050	0.320
SEP									
05...	1452	3.2	160	230	695	36	0.050	<0.050	0.200

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
04...	0740	0.050	<1	--	34	3	<0.50	50	16
NOV									
01...	0700	0.040	<1	1	21	6	--	40	14
DEC									
06...	0745	0.050	1	--	17	6	--	<10	13
JAN									
03...	0806	0.050	1	3	<15	11	--	20	13
31...	0800	0.070	<1	<1	--	5	--	140	17
FEB									
28...	0715	0.060	<1	1	67	17	--	100	12
JUN									
06...	0700	0.100	1	2	36	6	--	40	18
AUG									
01...	0800	0.050	1	2	130	<2	--	50	18
29...	0800	0.190	<1	2	16	3	--	10	15
SEP									
05...	1452	0.110	2	1	27	<2	<0.40	30	20

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.

LOCATION.--Lat 33°02'21", long 92°56'15", in SW ¼ NW ¼ sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 3.4 mi downstream from Pidgeon Creek, and 6.0 mi southwest of town of Three Creeks.

DRAINAGE AREA.--180 mi^2.

PERIOD OF RECORD.--May 1950 to September 1962, October 1970 to April 1974, October 1979 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1950 to September 1955, February 1956 to July 1962.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
18.	1100	9827	9827	--	7.5	18.0	5.0	4.7	2.1
NOV									
15.	1030	9827	9827	--	--	15.0	10	7.1	2.2
DEC									
06.	1308	9827	9827	--	--	17.0	6.0	9.4	1.2
JAN									
03.	1310	9827	9827	--	6.4	10.0	10	8.2	0.7
31.	0900	9827	9827	--	6.4	11.0	20	7.0	0.9
FEB									
28.	1430	9827	9827	--	5.7	9.0	15	--	1.3
APR									
04.	1115	9827	9827	--	6.2	19.0	15	4.3	0.7
MAY									
02.	1330	9827	9827	--	6.6	21.0	9.2	4.4	2.2
JUN									
06.	1130	9827	9827	290	6.8	22.0	25	4.5	1.9
AUG									
01.	1200	9827	9827	0.0	6.5	27.0	--	4.3	1.0
29.	1200	9827	9827	0.0	6.7	28.0	10	2.8	0.7
SEP									
05.	1100	9827	9827	0.0	6.9	26.0	15	3.8	0.9

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
18.	1100	11	4.0	100	7	0.050	0.080	0.060	0.030
NOV									
15.	1030	64	5.0	179	10	0.050	0.050	0.050	0.010
DEC									
06.	1308	110	14	251	2	0.070	0.040	0.050	0.010
JAN									
03.	1310	75	13	222	8	0.080	0.530	0.080	0.040
31.	0900	38	10	147	13	0.030	0.040	0.070	0.040
FEB									
28.	1430	51	10	169	13	0.090	0.080	0.090	0.060
APR									
04.	1115	48	10	135	12	0.050	<0.010	0.140	--
MAY									
02.	1330	100	11	304	11	0.020	0.340	0.120	0.110
JUN									
06.	1130	22	9.0	121	21	0.070	0.120	0.100	0.070
AUG									
01.	1200	66	9.0	212	--	0.170	0.060	0.080	<0.030
29.	1200	56	6.0	--	9	0.110	<0.050	0.080	0.030
SEP									
05.	1100	54	5.0	168	9	0.120	<0.050	0.080	0.080

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1100	<1	1	<15	3	<0.50	10	9.8
NOV								
15.	1030	<1	1	<15	3	--	--	11
DEC								
06.	1308	--	--	<15	25	--	--	11
JAN								
03.	1310	1	3	<15	4	--	70	13
31.	0900	<1	<1	32	2	--	30	18
FEB								
28.	1430	<1	--	21	3	--	--	11
APR								
04.	1115	1	2	43	9	--	30	14
MAY								
02.	1330	<1	<1	23	4	--	30	14
JUN								
06.	1130	1	4	25	9	--	50	17
AUG								
01.	1200	<1	<1	18	<2	--	40	13
29.	1200	<1	2	<15	<2	--	--	11
SEP								
05.	1100	<1	1	<15	2	<0.40	30	10

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
18.	1100	<1	1	<15	3	<0.50	10	9.8
NOV								
15.	1030	<1	1	<15	3	--	--	11
DEC								
06.	1308	--	--	<15	25	--	--	11
JAN								
03.	1310	1	3	<15	4	--	70	13
31.	0900	<1	<1	32	2	--	30	18
FEB								
28.	1430	<1	--	21	3	--	--	11
APR								
04.	1115	1	2	43	9	--	30	14
MAY								
02.	1330	<1	<1	23	4	--	30	14
JUN								
06.	1130	1	4	25	9	--	50	17
AUG								
01.	1200	<1	<1	18	<2	--	40	13
29.	1200	<1	2	<15	<2	--	--	11
SEP								
05.	1100	<1	1	<15	2	<0.40	30	10

07369680 BAYOU MACON AT EUDORA, ARK.

LOCATION.--Lat 33°06′09″, long 91°15′08″, in SE¼SE¼ sec.25, T.18 S., R.2 W., Chicot County, Hydrologic Unit 08030100, near left bank on downstream side of bridge on U.S. Highway 65, 0.6 mi south of Eudora.

DRAINAGE AREA.--500 sq^{2}.

PERIOD OF RECORD.--October 1988 to current year. Gage-height record and results of discharge measurements since January 1938, are contained in reports of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 80.92 ft above National Geodetic Vertical Datum of 1929. Satellite telemeter at station.

REMARKS.--Records good.

COOPERATION.--Gage-height record and 4 discharge measurements were provided by the U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft^3/s Jan. 14, 1989, gage height, 17.08 ft; maximum gage height, 19.85 ft July 2, 1988 (from backwater); minimum discharge, 53 ft^3/s Oct. 15-18, 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, 27.43 ft May 10, 22, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,750 ft^3/s Jan. 14, gage height, 17.08 ft; maximum gage height, 19.85 ft (from backwater); minimum discharge, 53 ft^3/s Oct. 15, 16, 17, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	82	127	1030	426	381	249	87	106	1740	123	75
2	57	79	118	501	350	239	177	83	115	2200	139	77
3	59	72	113	316	345	181	147	101	167	2020	138	78
4	58	71	111	258	333	155	455	264	203	1790	111	77
5	58	72	109	205	304	141	795	865	572	1430	87	71
6	57	73	107	164	288	130	482	1040	692	1200	78	73
7	56	75	105	168	279	125	312	598	320	1150	77	75
8	57	77	105	403	293	122	237	374	614	874	67	70
9	68	76	104	305	340	117	184	285	570	593	63	87
10	73	77	103	222	212	112	149	230	373	470	65	122
11	67	77	102	252	153	109	133	184	280	393	73	102
12	61	90	101	1380	144	107	121	150	217	319	77	92
13	56	195	101	2500	246	105	113	138	178	285	74	93
14	54	186	101	2680	263	105	108	240	348	273	76	136
15	54	135	102	2470	330	105	103	232	562	261	73	123
16	54	114	101	1860	311	104	97	193	352	1540	68	103
17	54	105	101	1200	645	106	96	178	234	1780	71	90
18	54	99	100	748	795	105	96	421	198	1370	103	83
19	83	98	101	580	653	102	95	953	180	836	104	79
20	188	154	103	506	541	101	95	554	171	531	95	77
21	524	184	109	450	1380	149	94	334	152	398	97	75
22	357	135	115	403	974	158	94	242	145	328	97	75
23	188	113	287	364	518	112	94	224	146	276	94	77
24	135	108	259	428	350	104	94	250	136	240	104	77
25	108	107	166	507	281	105	93	189	129	206	116	84
26	87	139	128	444	237	99	91	164	124	409	97	82
27	77	e280	128	460	221	98	91	145	124	412	91	78
28	76	e330	1040	366	562	104	93	142	224	359	87	77
29	75	e230	1010	346	---	388	97	135	1100	243	79	77
30	62	e140	805	807	---	578	90	123	1160	177	71	79
31	66	---	1330	620	---	348	---	106	---	139	72	---
TOTAL	3081	3773	7492	22943	11774	4995	5175	9244	9912	24242	2767	2564
MEAN	99.4	126	242	740	420	161	172	298	330	782	89.3	85.5
MAX	524	330	1330	2680	1380	578	795	1040	1160	2200	139	136
MIN	54	71	100	164	144	98	90	83	106	139	63	70
AC-FT	6110	7480	14860	45510	23350	9910	10260	18340	19660	48080	5490	5090

WTR YR 1989 TOTAL 107962 MEAN 296 MAX 2680 MIN 54 AC-FT 214100

e Estimated

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

Crest-Stage Partial-Record Stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation of each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous- record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but it is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft^3/s)
		ST. FRANCIS RIVER BASIN					
07047820	Murray Creek near Jonesboro, Ark.	Lat 35°51'52", long 90°38'26", in SW¼SW¼ sec.2, T.14 N., R.4 E., Craighead County, at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro.	1.38	1960-89	--	<8.36	<267
07047880	Pope Creek tributary at Birdeye, Ark.	Lat 35°22'35", long 90°42'02", in NE¼SE¼ sec.30,T.9 N., R.4 E., Cross County, at culvert on State Highway 42, 0.9 mi west of Birdeye.	.06	1963-89	--	<3.19	<19
		WHITE RIVER BASIN					
07048900	Whitener Branch tributary near Spring Valley, Ark.	Lat 36°10'14", long 93°54'59", in SE¼NW¼ sec.1, T.17 N., R.28 W., Washington County, at culvert on State Highway 68, 1.0 mi east of Spring Valley.	1.07	1960-89	--	<5.19	<72
07049000	War Eagle Creek near Hindsville, Ark.	Lat 36°12'02", long 93°51'20", in SE¼NE¼ sec.28, T.18 N., R.27 W., Madison County, on left bank about 800 ft above bridge on State Highway 45, 3.9 mi north of Hindsville.	262	1953-70† 1971-77 1985-89	02-14-89	19.70	18,000
07050285	Osage Creek at Osage, Ark.	Lat 36°11'19", long 93°24'51", in NW¼SE¼ sec.27, T.18 N., R.23 W., Carroll County, at bridge on State Highway 68, 0.7 mi northwest of Osage.	82.3	1989	03-06-89	11.35	(a)
07050500	Kings River near Berryville, Ark.	Lat 36°25'36", long 93°37'15", in SE¼NE¼ sec.3, T.20 N., R.25 W., Carroll County, on right bank at downstream side of bridge on State Highway 143, 5.3 mi northwest of Berryville.	527	1939-75† 1976-89	03-30-89	13.49	7,290
07053215	Dry Creek near Green Forest, Ark.	Lat 36°19'19", long 93°22'45", in SE¼NW¼ sec.12, T.19 N., R.23 W., Carroll County, at bridge on State Highway 62, 3.1 mi east of Green Forest.	11.1	1989	06-14-89	10.09	(a)
07054450	East Sugarloaf Creek tributary near Lead Hill, Ark.	Lat 36°22'28", long 92°49'52", in NW¼NW¼ sec.19, T.20 N., R.17 W., Marion County, at culvert on State Highway 14, 5.0 mi southeast of Lead Hill.	.85	1962-89	11-20-88	8.80	430
07055000	White River near Flippin, Ark.	Lat 36°18'35", long 92°33'28", in NE¼NW¼ sec.10, T.19 N., R.15 W., Marion County, on right bank 1.4 mi upstream from Hightower Creek, 3.2 mi northeast of Flippin.	6,081	1928-80† 1981-89	05-21-87 03-28-89	13.01 13.60	b27,000 29,600
07069000	Black River at Pocahontas, Ark.	Lat 36°15'14", long 90°58'12", in SW¼SW¼ sec.27, T.19 N., R.1 E., Randolph County, at bridge on U.S. Highway 67 at Pocahontas.	4,845	1937-70† 1971-78, 1981-89	02-19-89	22.82	40,600

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft³/s)
		WHITE RIVER BASIN--CONTINUED					
07069250	Brush Creek near Mammoth Spring, Ark.	Lat 36°25′36″, long 91°29′27″, in SE¼SE¼ sec.34, T.21 N., R.5 W., Fulton County, at culvert on U.S. Highway 63, 5.5 mi southeast of Mammoth Spring. Prior to 1967 published as Spring River tributary near Mammoth Spring.	.48	1961-89	--	<8.81	<207
07069410	Ferguson Creek near Ravenden	Lat 36°17′29″, long 91°14′29″, in NE¼SE¼ sec.13, T.19 N., R.3 W., Randolph County, at bridge on State Highway 90, 1.9 mi southwest of Ravenden Springs.	3.79	1989	02-14-89	2.14	(a)
07073500	Piney Fork near Evening Shade, Ark.	Lat 36°04′50″, long 91°36′39″, in SE¼NE¼ sec.34, T.17 N., R.6 W., Sharp County, on right bank, 20 ft upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade.	99.2	1939-84† 1985-89	02-15-89	16.57	5,860
07074420	Black River at Elgin Ferry, Ark.	Lat 35°45′51″, long 91°17′40″, in NW¼SE¼ SEC.15, T.13 N., R.3 W., Jackson County, on left bank 500 ft downstream from State Highway 37 at Elgin Ferry.	8,418	1979-89	02-22-89	26.72	(a)
07074850	White River near Augusta, Ark.	Lat 35°18′02″, long 91°23′35″, in SE¼SE¼ sec.22, T.8 N., R.4 W., Woodruff County, on left bank of Taylor Bay 0.5 mi upstream from White River, 10.7 mi upstream from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta.	20,464	1983-89	02-18-89	35.54	140,000
07074865	Glaise Creek near Bradford, Ark.	Lat 35°27′45″, long 91°32′49″, in NW¼SW¼ sec.28, T.10 N., R.5 W., Jackson County, at bridge on State Highway 87, 5.9 mi northwest of Bradford.	8.6	1989	02-15-89	7.68	(a)
07075000	Middle Fork Little Red River at Shirley, Ark.	Lat 35°39′10″, long 92°19′10″, in SW¼ sec.20, T.12 N., R.12 W., Van Buren County, on right bank 0.5 mi downstream from Sugar Camp (or Weavers) Creek, 1.0 mi east of Shirley.	302	1939-84† 1985-89	02-15-89	23.16	33,900
07075600	Choctaw Creek tributary near Choctaw, Ark.	Lat 35°31′36″, long 92°25′02″, in SE¼SW¼ sec.6, T.10 N., R.13 W., Van Buren County, at culvert on State Highway 330, 1.4 mi east of Choctaw.	1.36	1964-89	02-15-89	10.30	287
07075800	Dill Branch tributary near Ida, Ark.	Lat 35°32′33″, long 91°57′34″, in SW¼NE¼ sec.33, T.11 N., R.9 W., Cleburne County, at culvert on State Highway 25, 3.5 mi southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida.	.26	1964-89	02-15-89	6.96	58
07076000	Little Red River near Heber Springs, Ark.	Lat 35°31′02″, long 91°59′50″, in NE¼ sec.7, T.10 N., R.9 W., Cleburne County, on right bank 1600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs.	1,153	1927-80† 1981-87 1989¥	04-10, 12-89	16.01	--
07076630	Key Branch near Searcy, Ark.	Lat 35°14′47″, long 91°47′01″, in NW¼SW¼ sec.8, T.7 N., R.7 W., White County, at culvert on State Highway 36, 2.8 mi west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy.	.66	1961-89	--	<4.43	<15
07076750	White River at Georgetown, Ark.	Lat 35°07′45″, long 91°27′00″, in SW¼SW¼ sec.20, T.6 N., R.4 W., White County,on right bank at Georgetown.	22,387	1978-89	03-07-89	22.31	72,800
07076870	Pigeon Roost Creek at Butlerville, Ark.	Lat 34°58′36″, long 91°50′38″, in NW¼NE¼ sec.15, T.4 N., R.8 W., Lonoke County, at bridge on State Highway 38, 0.6 mi west of Butlerville.	23.0	1961-89	11-19-88	11.93	5,900
07077200	Big Creek tributary near Boydsville, Ark.	Lat 36°22′32″, long 90° 19′56″, in SE¼SW¼ sec.9, T.20 N., R.7 E., Clay County, at culvert on county road, 0.1 mi west of Crockett, and 4.1 mi norhteast of Boydsville.	1.56	1962-89	02-15-89	7.53	355

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft³/s)
		WHITE RIVER BASIN--CONTINUED					
07077430	Willow Ditch near Egypt, Ark.	Lat 35°56'29", long 90°56'33", in SW¼SW¼ sec.12, T.15 N., R.1 E., Lawrence County, at culvert on State Highway 91, 5.1 mi north of Egypt.	.48	1963-89	--	<3.64	<10
07077650	Big Creek near Jonesboro, Ark.	Lat 35°51'10", long 90°45'00", in SE¼SE¼ sec.10, T.14 N., R.3 E., Craighead County, at bridge on State Highway 63, 1.3 mi west of Jonesboro.		1989	11-19-88	17.21	(a)
*07077920	Big Creek at Goodwin, Ark.	Lat 34°56'22", long 91°00'55", in NE¼NE¼ sec.29, T.4 N., R.1 E., St. Francis County, at bridge on U.S. Highway 70, 0.3 mi east of Goodwin.	31.1	1961-89	05-09-89	9.16	480
		ARKANSAS RIVER BASIN					
07249447	Mill Creek at Fort Smith, Ark.	Lat 35°20'34", long 94°25'20", in NW¼NW¼ sec.33, T.8 N., R.32 W., Sebastian County, on right bank 30 ft upstream from bridge on Towson Avenue in Fort Smith.	10	1981-89	03-28-89	33.97	1,450
07249490	Lee Creek near Lee Creek, Ark.	Lat 35°42'12", long 94°19'37", in NW¼SE¼ sec.19, T.12 N., R.31 W., Crawford County, at bridge on State Highway 220, 1.8 mi northeast of Lee Creek.	93.5	1989	02-15-89	15.20	(a)
07249500	Cove Creek near Lee Creek, Ark.	Lat 35°43'20", long 94°24'28", in SW¼NW¼ sec.16, T.12 N., R.32 W., Crawford County, at bridge on U.S. Forest Service road, 4.5 mi northwest of Lee Creek.	35.3	1951-70† 1971-89	02-13-89	7.70	3,280
07249950	Webber Creek tributary near Cedarville, Ark.	Lat 35°36'00", long 92°22'49", in SE¼SE¼ sec.27, T.11 N., R.32 W., Crawford County, at culvert on State Highway 59, 2.3 mi north of Cedarville.	.34	1962-89	05-19-89	6.28	51
07250515	Sunnymede Creek at Fort Smith, Ark.	Lat 35°23'46", long 94°22'23", in NW¼NE¼ sec.11, T.8 N., R.32 W., Sebastian County, on left bank 100 ft downstream from bridge on North 52nd Street in Fort Smith.	1.5	1981-89	12-15-87 09-13-89	5.30 6.61	b90 127
07251500	Frog Bayou at Rudy, Ark.	Lat 35°31'32", long 94°16'18", in SW¼SW¼ sec.23, T.10 N., R.31 W., Crawford County, at bridge on State Highway 282 at Rudy.	216	1951-70† 1971-89	02-13-89	11.22	10,900
07251790	Mulberry River near Oark, Ark.	Lat 35°41'01", long 93°35'57", in NW¼SE¼ sec.24, T.12 N., R.25 W., Johnson County, at bridge on State Highway 103, 1.5 mi west of Oark.	70.2	1988-89	01-18-88 02-15-89	c9.50 8.82	(a) (a)
*07256500	Spadra Creek at Clarksville, Ark.	Lat 35°28'06", long 93°27'46", in NW¼NE¼ sec.5, T.9 N., R.23 W., Johnson County, on right bank at Clarksville, 0.2 mi downstream from bridge on U.S. Highway 64.	61.1	1953-70† 1971-89	02-15-89	9.14	6,700
07256700	Shoal Creek near New Blaine,	Lat 35°17'31", long 93°27'37", in NW¼SE¼ sec.5, T.7 N., R.23 W., Logan County, at bridge on State Highway 22, 2.3 mi west of New Blaine.	44.5	1989	02-15-89	10.65	(a)
07257100	Minnow Creek tributary near Hagarville, Ark.	Lat 35°30'10", long 93°21'56", in SE¼SE¼ sec.19, T.10 N., R.22 W., Johnson County, at culvert on State Highway 123, 2.6 mi southwest of Hagarville.	.19	1962-89	02-15-89	4.01	46
*07257200	Little Piney Creek near Lamar, Ark.	Lat 35°26'58", long 93°20'17", in SW¼NE¼ sec.9, T.9 N., R.22 W., Johnson County, on left bank 600 ft upstream from State Highway 359 bridge, 3.0 mi east of Lamar.	154	1976-89	02-15-89	13.70	10,300
07257500	Illinois Bayou near Scottsville, Ark.	Lat 35°27'58", long 93°02'28", in SE¼SW¼ sec.32, T.10 N., R.19 W., Pope County, at bridge on county road, 1.3 mi north of Scottsville.	241	1948-70† 1971-89	02-15-89	16.60	20,500

*See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station number	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (ft)	Discharge (ft^3/s)
ARKANSAS RIVER BASIN--CONTINUED							
07258200	Pack Saddle Creek tributary near Waldron, Ark.	Lat 34°58'18", long 94°05'42", in SE¼SE¼ sec.29, T.4 N., R.29 W., Scott County, at culvert on U.S. Highway 71, 5.2 mi north of Waldron.	.92	1961-89	02-03-89	4.28	119
07258500	Petit Jean River near Booneville, Ark.	Lat 35°06'25", long 93°55'25", in NW¼NW¼ sec.18, T.5 N., R.27 W., Logan County, on right bank at downstream side of bridge on State Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville.	241	1938-84† 1985-89	02-16-89	20.48	12,800
07259500	Petit Jean River near Waveland, Ark.	Lat 35°06'17", long 93°37'53", in SE¼SW¼ sec.11, T.5 N., R.25 W., Yell County, on left bank 0.8 mi downstream from Rock Creek, 1.3 mi south of Waveland.	516	1939-80† 1981-89	02-25-89	15.48	2,840
07260000	Dutch Creek at Waltreak, Ark.	Lat 34°59'15", long 93°36'45", in SE¼NW¼ sec.24, T.4 N., R.25 W., Yell County, on left bank 0.2 mi north of Waltreak.	81.4	1945-75† 1976-89	02-15-89	14.73	6,740
07260400	Petit Jean River near Centerville, Ark.	Lat 35°04'30", long 93°11'58", in NE¼ sec.23, T.5 N., R.21 W., Yell County, on right bank 300 ft upstream from State Highway 7, 3.0 mi southeast of Centerville.	927	1988-89‡	01-22-88 03-16-89	c16.19 19.26	-- --
*07260673	West Fork Point Remove Creek near Hattieville, Ark.	Lat 35°19'25", long 92°52'22", in NE¼SE¼ sec.23, T.8 N., R.18 W., Pope County, on right bank about 300 ft upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville.	222	1978-89	02-15-89	20.51	8,300
07260674	Isabell Creek at Oak Grove, Ark.	Lat 35°21'31", long 92°57'32", in SE¼NE¼ sec.12, T.8 N., R.19 W., Pope County, at bridge on State Highway 105, 0.1 mi south of Oak Grove.	8.64	1989	--	<9.30	(a)
07260679	East Fork Point Remove Creek tributary near Saint Vincent, Ark.	Lat 35°16'10", long 92°43'59", in NE¼NE¼ sec.7, T.7 N., R.16 W., Conway County, at culvert on State Highway 213, 2.2 mi south of Saint Vincent.	.09	1967-89	02-15-89	6.13	34
07261250	Cadron Creek near Conway, Ark.	Lat 35°06'53', long 92°31'35", in NE¼SE¼ sec.31, T.6 N., R.14 W., Faulkner County, about 600 ft downstream from bridge on U.S. Highway 64, 4.0 mi west of Conway.	752	1979-89	02-16-89	17.00	(a)
07261800	Brogan Creek near Rover, Ark.	Lat 34°54'28", long 93°24'06", in NW¼SE¼ sec.13, T.3 N., R.23 W., Yell County, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche Lafave River tributary near Rover.	1.40	1963-89	02-15-89	6.35	360
07262500	Fourche LaFave River near Nimrod, Ark.	Lat 34°57'02", long 93°09'16", in NW¼SW¼ sec.32, T.4 N., R.20 W., Perry County, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod.	684	1936-80† 1981-88 1989‡	03-03-89	9.28	--
07263012	Fourche LaFave River near Aplin, Ark.	Lat 34°57'23", long 92°59'04", in E 1/2 NE 1/4 sec.35, T.4 N., R.19 W., Perry County, on right bank 30 ft upstream from bridge on State Highway 155, 1.0 mi south of Aplin.	957	1980-89	11-16-87 02-15-89	23.07 26.49	b9,520 12,300
07263100	Fourche LaFave River tributary near Perryville, Ark.	Lat 35°01'14", long 92°46'06", in NW¼SW¼ sec.1, T.4 N., R.17 W., Perry County, at culvert on State Highway 60, 2.[illegible] mi northeast of Perryville.	1.47	1962-89	11-19-88	8.64	470
07263115	Fourche LaFave River near Houston, Ark.	Lat 35°00'43", long 92°43'13", in NW¼NE¼ sec.8, T.4 N., R.16 W., Perry County, at left bank at downstream side of bridge on State Highway 216, 2.4 mi southwest of Houston.	1,058	1988-89	12-28-87 02-17-89	c31.75 30.06	(a) (a)
07263530	Fourche Creek at Red Gate, Ark.	Lat 34°38'53", long 92°26'20", in NE¼SE¼ sec.7, T.1 S., R.13 W., Pulaski County, 30 ft downstream from bridge on State Highway 5, 0.5 mi east of Red Gate.	32.4	1978-79, 1981-89	02-14-89	11.23	1,670

"See footnotes at end of table."

Annual maximum dischàrge at crest-stage partial-record stations--Continued

Station number	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft³/s)
ARKANSAS RIVER BASIN--CONTINUED							
07263570	Grassy Flat Creek at Little Rock, Ark.	Lat 34°46'01", long 92°22'33", in SW¼NW¼ sec.35, T.2 N., R.13 W., Pulaski County, at left bank on downstream side of bridge on Reservoir Road in Little Rock.	3.88	1978-79, 1981-88 1989Ψ	07-12-88 11-19-88	12.74 12.04	b5,600 --
07263580	Rock Creek at Little Rock, Ark.	Lat 34°43'13", long 92°21'32", in NW¼SW¼ sec.13, T.1 N., R.13 W., Pulaski County, at west 36th Street bridge in Little Rock.	20.5	1978-88 1989Ψ	11-19-88	14.73	--
07264050	Bayou Two Prairie near Furlow, Ark.	Lat 34°51'32", long 91°58'49< in SW¼NW¼ sec.28, T.3 N., R.9 W., Lonoke County, at bridge on State Highway 89, 1.8 mi north of Furlow.	59.8	1989	03-29-89	7.34	(a)
RED RIVER BASIN							
07339500	Rolling Fork near DeQueen, Ark.	Lat 34°02'51", long 94°24'47", in SW¼SW¼ sec.21, T.8 S., R.32 W., Sevier County, near center of span on downstream side of bridge on U.S. Highway 70, 4.0 mi, west of DeQueen.	182	1948-80† 1981-89	06-04-89	9.66	2,220
07340500	Cossatot River near DeQueen, Ark.	Lat 34°02'45", long 94°12'42", in NE¼NE¼ sec.29, T.8 S., R.30 W., Sevier County, near right bank on downstream side of bridge on U.S. Highway 71, 7.0 mi east of DeQueen.	360	1938-80† 1981-89	11-19-88	12.86	7,510
07341000	Saline River near Dierks, Ark.	Lat 34°05'45", long 94°05'04", in NW¼SW¼ sec.3, T.8 S., R.29 W., Howard County, near left bank on downstream side of U.S. Highway 70, 4.0 mi southwest of Dierks.	121	1938-80† 1981-89	11-19-88	9.27	1,820
07341260	Dillard Creek near Nashville, Ark.	Lat 33°56'58", long 93°54'46", in NE¼NE¼ sec.30, T.9 S., R.27 W., Howard County, at bridge on State Highway 24, 4.1 mi west of Nashville.	5.3	1989	07-19-89	7.09	(a)
07355800	Lewis Creek tributary near Wena, Ark.	Lat 34°37'15", long 94°12'15", in NE¼SW¼ sec.33, T.1 S., R.30 W., Polk County, at culvert on U.S. Highway 71, 3.1 mi northeast of Wena.	.65	1961-89	05-17-89	3.71	205
07357740	Bear Creek near Royal, Ark.	Lat 34°30'30", long 93°15'21", in NE¼NW¼ sec.4, T.3 S., R.21 W., Garland County, at bridge on U.S. Highway 270, 1.0 mi west of Royal.	5.5	1989	11-19-88	4.29	(a)
07359710	Rock Creek near Glenwood, Ark.	Lat 34°18'35", long 93°32'19", in NW¼NE¼ sec.14, T.5 S., R.24 W., Pike County, at bridge on State Highway 8, 1.3 mi southeast of Glenwood.	7.2	1989	02-15-89	10.23	(a)
07359805	Valley Creek near Point Cedar, Ark.	Lat 34°19'17", long 93°15'24", in NW¼NE¼ sec.9, T.5 S., R.21 W., Hot Spring County, at bridge on State Highway 84, 2.9 mi east of Point Cedar.	7.5	1989	03-29-89	10.62	(a)
07360100	L'Eau Frais at Joan, Ark.	Lat 34°06'27", long 92°55'52", in SW¼NE¼ sec.22, T.7 S., R.18 W., Clark County, at bridge on State Highway 128, 0.7 mi southeast of Joan.	70.7	1989	03-29-89	6.16	(a)
07360200	Little Missouri River near Langley, Ark.	Lat 34°18'42", long 93°53'59", in NW¼SW¼ sec.16, T.5 S., R.27 W., Pike County, at bridge on State Highway 84, 3.3 mi west of Langley.	68.2	1989	11-19-88	8.03	(a)
07360225	Little Blocker Creek near Langley, Ark.	Lat 34°18'41", long 93°49'05", in SE¼NE¼ sec.18, T.5 S., R.26 W., Pike County, at bridge on State Highway 84, 1.3 mi east of Langley.	5.4	1989	11-19-88	8.40	(a)
07361180	South Fork Ozan Creek near Ozan, Ark.	Lat 33°49'15", long 93°42'28", in SE¼SW¼ sec.5, T.11 S. R.25 W., Hempstead County, at bridge on State Highway 4, 2.0 mi south of Ozan.	17.7	1963-89	03-29-89	21.99	4,000

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

RED RIVER BASIN--CONTINUED

					Annual maximum		
Station number	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (ft)	Discharge (ft³/s)
07361760	Bell Creek near Hollywood, Ark.	Lat 34°05'04", long 93°16'52", in NW¼NE¼ sec.31, T.7 S., R.21 W., Clark County, at bridge on State Highway 26, 2.0 mi west of Hollywood.	7.2	1988-89	12-26-87 11-20-88	c14.00 8.80	(a) (a)
07361894	Mill Creek near Holly Springs, Ark.	Lat 33°46'01", long 92°39'52", in SE¼SW¼ sec.17, T.11 S., R.15 W., Ouachita County, at bridge on State Highway 203, 0.5 mi east of White Springs Church.	9.2	1989	03-29-89	11.86	(a)
07362330	Dunn Creek near Hampton, Ark.	Lat 33°32'05", long 92°30'55", in SE¼NW¼ sec.2, T.14 S., R.14 W., Calhoun County, at bridge on State Highway 4, 2.8 mi west of Hampton.	13.6	1962-89	05-05-89	8.67	1,700
07362500	Moro Creek near Fordyce, Ark.	Lat 33°47'32", long 92°19'30, in NW¼NW¼ sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce.	240	1952-83† 1984-89	02-16-89	13.35	7,110
07362715	Big Creek near Crow, Ark.	Lat 34°37'00", long 92°43'35", in NE¼NW¼ sec.28, T.1 S., R.16 W., Saline County, at bridge on State Highway 5, 2.5 mi east of Crow.	4,727	1988-89	12-28-87 --	c5.78 <0.61	(a) (a)
07363000	Saline River at Benton, Ark.	Lat 34°34'05", long 92°36'40", in SE¼NE¼ sec.9, T.2 S., R.15 W., Saline County, on left bank 0.8 mi west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork.	550	1951-79† 1980-89	11-19-88	24.67	50,600
07363200	Saline River near Sheridan, Ark.	Lat 34°06'56", long 92°24'21", in NE¼NW¼ sec.15, T.7 S., R.13 W., Grant County, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan.	1,123	1971-82† 1983-89	11-23-88	18.54	8,540
07363435	Derrieusseaux Creek near Grapevine, Ark.	Lat 34°08'44", long 92°14'38", in NE¼NW¼ sec.5, T.7 S., R.11 W., Grant County, at bridge on State Highway 54, 4.2 mi east of Grapevine.	77.1	1989	03-28-89	10.73	(a)
07364030	L'Aigle Creek tributary near Hermitage, Ark.	Lat 33°24'48", long 92°12'33", in SE¼NW¼ sec.14, T.15 S., R.11 W., Bradley County, at culvert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage.	.36	1963-89	--	<3.36	<2
07364110	Nevins Creek tributary near Pine Bluff, Ark.	Lat 34°10'08", long 92°05'12", in NW¼SE¼ sec.26, T.6 S., R.10 W., Jefferson County, at culvert on U.S. Highway 79, 6.0 mi southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew Tributary near Pine Bluff.	.75	1961-89	07-19-89	5.99	255
07364128	Deep Bayou near Grady, Ark.	Lat 34°02'03", long 91°42'35", on line between secs.16 and 17, T.8 S., R.6 W., Lincoln County, at bridge on State Highway 11, 2.7 mi south of Grady.	56.8	1989	(a)	(a)	(a)
07364550	Caney Creek tributary near El Dorado, Ark.	Lat 33°11'22", long 92°36'28", in NE¼NW¼ sec.1, T.18 S., R.15 W., Union County, at culvert on U.S. Highway 82, 3.5 mi southeast of El Dorado.	.13	1961-89	07-02-89	7.59	60

† Operated as a continuous-record gaging station.

Ψ Operated as a stage-only station.

• Also a low-flow partial-record station.

a Not determined.

b Revised.

c Not previously published.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are give the following table. These measurements were made during periods of base flow when streamflow is primarily from gr water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream when continu records are available, will give a picture of the low-flow potentiality of a stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	Measurements Discharge (ft³/s)
		ST. FRANCIS RIVER BASIN				
07040175	Post Oak Creek near Rector, Ark.	Lat 36°15′02″, long 90°18′21″, in NE¼SE¼ sec.27, T.19 N., R.7 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 1.1 mi southwest of Rector.	9.82	1966, 1987-89	10-06-88	0
		WHITE RIVER BASIN				
07047976	White River at Combs, Ark.	Lat 35°49′40″, long 93°49′54″, in NW¼ sec.2, T.13 N., R.27 W., Madison County, Hydrologic Unit 11010001, at bridge on State Highway 295, 0.3 mi northeast of Combs.	90.3	1964-67, 1987-89	10-05-88	6.61
07047980	White River at Elkins, Ark.	Lat 36°00′03″, long 94°00′13″, in SE¼ sec.1, T.15 N., R.29 W., Washington County, Hydrologic Unit 11010001, at highway bridge at Elkins.	184	1957-64, 1987-89	10-05-88	23.1
07047985	Middle Fork White River near Fayetteville, Ark.	Lat 36°00′58″, long 94°03′59″, in SW¼ sec.33, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at ford on farm road, 2.0 mi south of State Highway 16, and 5.9 mi southeast of Fayetteville.	73.4	1964-67, 1987-89	10-05-88	0.06
07048000	West Fork White River at Greenland, Ark.	Lat 35°58′50″, long 94°10′05″, in NW¼ sec.16, T.15 N., R.30 W., Washington County, Hydrologic Unit 11010001, at highway bridge 800 ft upstream of bridge on U.S. Highway 71, and 1.0 mi south of Greenland.	83.1	1945-83†, 1987-89	10-05-88	0.60
07048800	Richland Creek at Goshen, Ark.	Lat 36°06′14″, long 94°00′26″, in NW¼ sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at bridge on State Highway 45, 1.0 mi west of Goshen.	138	1954, 1956-63, 1987-89	10-05-88	0.70
07048900	War Eagle Creek near Huntsville, Ark.	Lat 36°02′30″, long 93°42′17″, in NW¼ sec.23, T.16 N., R.26 W., Madison County, Hydrologic Unit 11010001, at bridge on State Highway 23, 3.6 mi southeast of Huntsville.	105	1964-67, 1987-89	10-06-88	0
07049700	Blue Spring near Eureka Springs, Ark.	Lat 36°27′52″, long 93°48′45″, in NE¼ sec.26, T.21 N., R.27 W., Carroll County, Hydrologic Unit 11010001, 1.5 mi north of U.S. Highway 62, and 6.0 mi northwest of Eureka Springs.	(a)	1951,1954, 1957-63, 1966,1968, 1987-89	10-06-88	2.08
07050225	Kings River near Kingston, Ark.	Lat 36°05′17″, long 93°32′30″, in SE¼ sec.33, T.17 N., R.24 W., Madison County, Hydrologic Unit 11010001, at bridge on State Highway 21, 3.0 mi northwest of Kingston.	98.0	1964-67, 1987-89	10-06-88	4.03
07050230	Warm Fork Creek at Rockhouse, Ark.	Lat 36°16′47″, long 93°40′03″, in SW¼ sec.29, T.19 N., R.25 W., Madison County, Hydrologic Unit 11010001, at low-water crossing on county road, 5.7 mi east of State Highway 23, and 0.4 mi southeast of Rockhouse.	19.1	1964-66, 1987-89	10-06-88	b0.01
07050250	Kings River near Pleasant Valley, Ark.	Lat 36°23′22″, long 93°39′33″, in NE¼ sec.20, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on county road, 0.6 mi south of U.S. Highway 62, and 2.7 mi west of Pleasant Valley.	346	1964-67, 1987-89	10-06-88	23.6

† Operated as a continuous-record gaging station

a Indeterminate

b estimated.

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	Measurements Discharge (ft³/s)
		WHITE RIVER BASIN--Continued				
07050285	Osage Creek at Osage, Ark.	Lat 36°11'19", long 93°24'51", in NW¼SE¼ sec.27, T.18 N., R.23 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 68, 0.7 mi northwest of Osage.	(c)	1987-89	10-06-88	0
07050390	Osage Creek southwest of Berryville, Ark.	Lat 36°20'55", long 93°35'26", in SW¼ sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221, 1.7 mi southwest of Berryville.	(c)	1988-89	10-06-88	1.91
07053200	Long Creek at Alpena, Ark.	Lat 36°17'31", long 93°16'54", in NE¼ sec.23, T.19 N., R.22 W., Boone County, Hydrologic Unit 11010001, at bridge on U.S. Highway 62, 0.7 mi east of Alpena.	67.2	1957-64, 1987-89	10-06-88	3.32
07053250	Yocum Creek near Oak Grove, Ark.	Lat 36°27'17", long 93°21'21", in NE¼ sec.30, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, at low-water crossing on county road, 4.5 mi east of Oak Grove.	52.8	1964-67, 1987-89	10-06-88	6.25
07054410	Bear Creek near Omaha, Ark.	Lat 36°26'58", long 93°04'31", in NW¼ sec.26, T.21 N., R.20 W., Boone County, Hydrologic Unit 11010003, at bridge on State Highway 14, 6.5 mi east of Omaha.	133	1964-67, 1987-89	10-05-88	26.4
07054420	West Sugarloaf Creek near Lead Hill, Ark.	Lat 36°25'13", long 92°56'05", in NW¼ sec.6, T.20 N., R.18 W., Boone County, Hydrologic Unit 11010003, at bridge on State Highway 14, 1.2 mi west of Lead Hill.	31.9	1964-67, 1987-89	10-05-88	2.15
07055565	Crooked Creek at Harrison, Ark.	Lat 36°13'57", long 93°05'28", in NW¼NE¼ sec.10, T.18 N., R.20 W., Boone County, Hydrologic Unit 11010003, at bridge on U.S. Highway 65, 1.0 mi east of Harrison.	(c)	1961, 1987-89	10-06-88	3.41
07055600	Crooked Creek at Pyatt, Ark.	Lat 36°14'45", long 92°50'04", in SW¼ sec.31, T.19 N., R.17 W., Marion County, Hydrologic Unit 11010003, at bridge on U.S. Highway 62 at Pyatt.	207	1954, 1957-67, 1974-78, 1987-89	10-05-88	31.3
*07055608	Crooked Creek at Yellville, Ark.	Lat 36°13'23", long 92°40'47", in NW¼NE¼ sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, at bridge on State Highway 14 at Yellville.	406	1978, 1987-89	10-05-88	16.2
07055609	Grey Spring near Yellville, Ark.	Lat 36°10'17", long 92°40'47", in NW¼SE¼ sec.28, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, 300 ft southeast of county road, approximately 0.3 mi west of State Highway 14, and 3.8 mi south of Yellville.	(a)	1960-64, 1987-89	10-05-88	1.46
07055680	Buffalo River at Pruitt, Ark.	Lat 36°03'39", long 93°08'18", in NE¼ sec.7, T.16 N., R.20 W., Newton County, Hydrologic Unit 11010005, at bridge on State Highway 7 at Pruitt.	190	1963-68, 1987-89	10-06-88	11.4
07055700	Little Buffalo River at Jasper, Ark.	Lat 36°00'37", long 93°11'02", in SW¼ sec.26, T.16 N., R.21 W., Newton County, Hydrologic Unit 11010005, at bridge on State Highway 7 at Jasper.	126	1957-64, 1969, 1987-89	10-06-88	6.62
07056510	Bear Creek near Marshall, Ark.	Lat 35°56'23", long 92°42'47", in SW¼ sec.17, T.15 N., R.16 W., Searcy County, Hydrologic Unit 11010005, at bridge on U.S. Highway 65, 5.0 mi northwest of Marshall.	64.3	1964-67, 1969, 1987-89	10-05-88	7.39
07057000	Buffalo River near Rush, Ark.	Lat 36°07'02", long 92°33'16", in NE¼ sec.15, T.17 N., R.15 W., Marion County, Hydrologic Unit 11010005, 3.2 mi east of State Highway 14, and 1.4 mi southeast of Rush.	1096	1928-70†, 1987-89	10-05-88	97.5

* Also a crest-stage partial-record station

† Operated as a continuous-record gaging station

a Indeterminate

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		WHITE RIVER BASIN--Continued				
07057100	Big Creek near Big Flat, Ark.	Lat 35°58′43″, long 92°28′53″, in SW¼ sec.33, T.16 N., R.14 W., Searcy County, Hydrologic Unit 11010005, at bridge on State Highway 14, 4.7 mi southwest of Big Flat.	91.6	1957-67, 1987-89	10-05-88	10.9
07060520	Piney Creek near Calico Rock, Ark.	Lat 36°08′49″, long 92°04′16″, in NE¼ sec.8, T.17 N., R.10 W., Izard County, Hydrologic Unit 11010004, at bridge on State Highway 56, 4.5 mi northeast of Calico Rock.	78.3	1964-67, 1987-89	10-05-88	14.1
07060670	Hughes Creek near Mountain View, Ark.	Lat 35°51′46″, long 92°08′47″, in SW¼ sec.10, T.14 N., R.11 W., Stone County, Hydrologic Unit 11010004, at bridge on State Highway 66, 1.7 mi west of Mountain View.	3.20	1964-67, 1987-89	10-05-88	0.14
07060700	South Sylamore Creek at Allison, Ark.	Lat 35°56′09″, long 92°07′17″, in NE¼ sec.14, T.15 N., R.11 W., Stone County, Hydrologic Unit 11010004, at bridge on State Highway 14 at Allison.	143	1957-63, 1987-89	10-05-88	25.4
07060720	North Sylamore Creek near Allison, Ark.	Lat 35°58′05″, long 92°10′16″, in NE¼ sec.5, T.15 N., R.11 W., Stone County, Hydrologic Unit 11010004, at low-water crossing on county road at Blanchard Springs recreation area, 1.5 mi north of State Highway 14, and 4.0 mi northwest of Allison.	68.0	1964-67, 1987-89	10-05-88	9.24
07060810	West Lafferty Creek near Cushman, Ark.	Lat 35°52′12″, long 91°49′52″, in SE¼SE¼ sec.10, T.14 N., R.8 W., Independence County, Hydrologic Unit 11010004, at bridge on county road, 4.5 mi west of Cushman.	30.5	1964-65, 1987-89	10-06-88	6.52
07060813	East Lafferty Creek near Cushman, Ark.	Lat 35°51′56″, long 91°49′14″, in NE¼NW¼ sec.14, T.14 N., R.8 W., Independence County, Hydrologic Unit 11010004, at bridge on county road, 3.8 mi west of Cushman.	26.1	1964-65, 1987-89	10-06-88	5.37
07060885	Spring Creek near Batesville, Ark.	Lat 35°49′24″, long 91°43′11″, in SW¼SW¼ sec.26, T.14 N., R.7 W., Independence County, Hydrologic Unit 11010004, 200 ft south of State Highway 69, and 4.3 mi northwest of Batesville.	(c)	1964-65, 1987-89	10-06-88	3.45
07060900	Polk Bayou at Batesville, Ark.	Lat 35°46′16″, long 91°39′18″, in NE¼ sec.17, T.13 N., R.6 W., Independence County, Hydrologic Unit 11010004, at bridge on State Highway 69 at Batesville.	168	1957, 1959-64, 1987-89	10-06-88	43.3
07061075	Salado Creek near Pleasant Plains, Ark.	Lat 35°36′45″, long 91°36′24″, in SW¼NE¼ sec.2, T.11 N., R.6 W., Independence County, Hydrologic Unit 11010004, at bridge on U.S. Highway 167, 4.0 mi north of Pleasant Plains.	68.4	1964-65, 1987-89	10-07-88	11.1
07061090	Caney Creek at Southside, Ark.	Lat 35°40′45″, long 91°36′56″, in SE¼SE¼ sec.10, T.12 N., R.6 W., Independence County, Hydrologic Unit 11010004, at bridge on U.S. Highway 167, 1.4 mi south of Southside.	12.2	1964-65, 1987-89	10-07-88	b0.50
07068380	Mud Creek near Ingram, Ark.	Lat 36°25′23″, long 90°58′30″, in SW¼ sec.33, T.21 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at low-water crossing on county road, 2.5 mi northeast of Ingram and State Highway 251.	34.2	1964-67, 1987-89	10-04-88	11.2
07068890	Fourche River above Pocahontas, Ark.	Lat 36°20′21″, long 90°56′33″, in NW¼ sec.35, T.20 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at bridge on State Highway 115, 5.6 mi north of Pocahontas.	229	1964-70†, 1978, 1987-89	10-04-88	113
07068900	Fourche River near Pocahontas, Ark.	Lat 36°16′52″, long 90°55′46″, in NW¼ sec.24, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at bridge on U.S. Highway 67, 2.7 mi northeast of Pocahontas.	304	1958-63, 1967, 1988-89	10-06-88	143

† Operated as a continuous-record gaging station

b Estimated

c Nnt determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		WHITE RIVER BASIN--Continued				
07069265	Wyatt Creek near Salem, Ark.	Lat 36°26'39", long 91°40'11", in SW¼ sec.30, T.21 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 9, 10 mi northeast of Salem.	101	1964-67, 1987-89	10-04-88	17.2
07069266	Spring River near Hardy, Ark.	Lat 36°20'17", long 91°30'30", in SW¼ sec.34, T.20 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at bridge on county road, 1.1 mi west of U.S. Highway 63, and 2.0 mi northwest of Hardy.	(c)	1966, 1975-76, 1978-83, 1987-89	10-04-88	441
07069270	South Fork Spring River near Salem, Ark.	Lat 36°24'31", long 91°49'04", near center and on line between secs.10 and 11, T.20 N., R.8 W., Fulton County, Hydrologic Unit 11010010, at low-water crossing on county road, 2.7 mi north of Salem.	170	1964-67, 1987-89	10-04-88	50.3
07069300	South Fork Spring River near Hardy, Ark.	Lat 36°18'33", long 91°30'34", in SW¼ sec.10, T.19 N., R.5 W., Sharp County, Hydrologic Unit 11010010, at bridge 0.3 mi west of U.S. Highway 62, 2.0 mi west of Hardy.	324	1957, 1959-63, 1966, 1987-89	10-04-88	197
07069350	Martins Creek near Williford, Ark.	Lat 36°16'23", long 91°19'59", in NE¼ sec.30, T.19 N., R.3 W., Sharp County, Hydrologic Unit 11010010, at bridge on U.S. Highway 63, 2.0 mi northeast of Williford.	66.9	1953, 1964-67, 1987-89	10-06-88	6.06
07069400	Janes Creek at Ravenden Springs, Ark.	Lat 36°18'09", long 91°13'58", in SW¼ sec.7, T.19 N., R.2 W., Randolph County, Hydrologic Unit 11010010, at bridge on State Highway 90, 1.0 mi south of Ravenden Springs.	79.3	1958-63, 1966, 1987-89	10-04-88	8.31
07071980	Diles Creek near Dalton, Ark.	Lat 36°27'14", long 91°11'00", in SE¼ sec.21, T.21 N., R.2 W., Randolph County, Hydrologic Unit 11010011, at bridge on State Highway 93, 3.3 mi northwest of Dalton.	22.5	1966-67, 1987-89	10-04-88	4.23
07072100	Eleven Point River near Pocahontas, Ark.	Lat 36°14'43", long 91°05'05", in NW¼SE¼ sec.33, T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S. Highway 62, 6.5 mi west of Pocahontas.	1192	1987-89	10-06-88	573
07072900	Strawberry River near Franklin, Ark.	Lat 36°10'41", long 91°44'19", in NW¼ sec.33, T.18 N., R.7 W., Izard County, Hydrologic Unit 11010012, at bridge on State Highway 56, 2.1 mi east of Franklin.	155	1964-67, 1987-89	10-05-88	9.05
07073000	Strawberry River near Evening Shade, Ark.	Lat 36°05'56", long 91°36'30", in NE¼ sec.27, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, at bridge on U.S. Highway 167, 2.0 mi north of Evening Shade.	217	1939-79†, 1987-89	10-03-88	33.0
07073600	Mill Creek at Evening Shade, Ark.	Lat 36°03'56", long 91°36'37", in NE¼ sec.3, T.16 N., R.6 W., Sharp County, Hydrologic Unit 11010012, at highway bridge, 0.1 mi east of U.S. Highway 167, and 0.5 mi southeast of Evening Shade.	12.2	1956-63, 1987-89	10-03-88	14.2
07073995 (formerly published as 07074020)	North Big Creek near Evening Shade, Ark.	Lat 36°08'17", long 91°30'12", in NW¼ sec.10, T.17 N., R.5 W., Sharp County, Hydrologic Unit 11010012, at bridge on county road, 6.0 mi northeast of U.S. Highway 167, and 8.0 mi northeast of Evening Shade.	74.8	1964-67, 1987-89	10-03-88	17.6
07074248	South Big Creek near Strawberry, Ark.	Lat 36°01'12", long 91°20'09", in N½ and on line between secs.19 and 20, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 117, 3.8 mi north of Strawberry.	69.4	1964-67, 1987-89	10-06-88	25.3

† Operated as a continuous-record gaging station

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		WHITE RIVER BASIN--Continued				
07074250	Reeds Creek near Strawberry, Ark.	Lat 35°58'58", long 91°20'12", in SW¼sec.32, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 117, 1.4 mi northwest of Strawberry.	34.9	1964-67, 1987-89	10-04-88	12.4
07074300	Strawberry River near Strawberry, Ark.	Lat 35°59'19", long 91°17'08", in SE¼NE¼ sec.34, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 25, 2.0 mi northeast of Strawberry.	707	1966, 1987-89	10-05-88	148
07074400	Curia Creek near Dowdy, Ark.	Lat 35°52'15", long 91°18'36", in NE¼ sec.9, T.14 N., R.3 W., Independence County, Hydrologic Unit 11010009, at bridge on State Highway 25, 1.3 mi north of Dowdy.	55.6	1964-67, 1987-89	10-03-88	12.3
07074450	Dota Creek near Newark, Ark.	Lat 35°43'43", long 91°24'51", in W½ and on line between secs.27 and 34, T.13 N., R.4 W., Independence County, Hydrologic Unit 11010009, at bridge on State Highway 122, 2.5 mi northeast of Newark.	56.6	1964-67, 1987-89	10-03-88	11.4
07074600	Village Creek at Walnut Ridge, Ark.	Lat 36°04'27", long 90°57'44", in NE¼ sec.34, T.17 N., R.1 E., Lawrence County, Hydrologic Unit 11010013, at bridge on State Highway 25 at Walnut Ridge.	35.0	1959-63, 1987-89	10-05-88	55.[illegible]
07074890	Middle Fork Little Red River at Leslie, Ark.	Lat 35°48'59", long 92°32'58", in NW¼NE¼ sec.35, T.14 N., R.15 W., Searcy County, Hydrologic Unit 11010014, at bridge on U.S. Highway 65 at Leslie.	71.8	1987-89	10-05-88	0
07075200	Devils Fork Little Red River near Brownsville, Ark.	Lat 35°38'22", long 92°01'57", in NW¼ sec.35, T.12 N., R.10 W., Cleburne County, Hydrologic Unit 11010014, 1.3 mi northeast of bridge on State Highway 263, and 3.5 mi northeast of Brownsville.	209	1957-62, 1968, 1987-89	10-05-88	48.2
07075390	Archey Creek at Clinton, Ark.	Lat 35°36'15", long 92°27'35", in SE¼ sec.10, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, at bridge on U.S. Highway 65 at northeast city limits of Clinton.	118	1964-67, 1987-89	10-03-88	39.5
07076510	Big Creek near Pangburn, Ark.	Lat 35°27'22", long 91°50'42", in NW¼ sec.34, T.10 N., R.8 W., Cleburne County, Hydrologic Unit 11010014, at bridge on county road, 0.7 mi northeast of State Highway 110, and 2.0 mi north of Pangburn.	51.4	1964-67, 1987-89	10-07-88	13.6
07076530	Big Creek near Letona, Ark.	Lat 35°21'43", long 91°48'04", in SE¼ sec.36, T.9 N., R.8 W., White County, Hydrologic Unit 11010014, at bridge on State Highway 16, 1.8 mi east of Letona.	72.6	1964-67, 1987-89	10-07-88	b2.00
07077100	Big Creek near Boydsville, Ark.	Lat 36°22'12", long 90°19'46", in NW¼ sec.16, T.20 N., R.7 E., Clay County, Hydrologic Unit 08020302, at bridge on county road, 0.5 mi south of Crockett, and 4.0 mi northeast of Boydsville.	12.8	1962, 1966-67, 1987-89	10-06-88	0
07077650	Big Creek near Jonesboro, Ark.	Lat 35°51'11", long 90°45'00", in SE¼ sec.10, T.14 N., R.3 E., Craighead County, Hydrologic Unit 08020302, at bridge on U.S. Highway 63, 2.7 mi northwest of Jonesboro.	50.6	1957, 1959-63, 1966, 1987-89	10-05-88	4.76
		ARKANSAS RIVER BASIN				
07188810	McKisic Creek near Bella Vista, Ark.	Lat 36°25'24", long 94°13'15", in NE¼ sec.12, T.20 N., R.31 W., Benton County, Hydrologic Unit 11070208, at bridge on county road, 0.2 mi east of U.S. Highway 71, and 1.0 mi southeast of Bella Vista.	22.2	1964-67, 1987-89	10-04-88	7.74

b Estimated

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	Measurements Discharge (ft³/s)
		ARKANSAS RIVER BASIN--Continued				
07188813 (formerly published as 07188800)	Ford Spring near Bentonville, Ark.	Lat 36°25'16", long 94°12'45", in SW¼ sec.7, T.20 N., R.30 W., Benton County, Hydrologic Unit 11070208, 0.6 mi east of U.S. Highway 71, and 3.5 mi north of Bentonville.	(b)	1953-63, 1987-89	10-04-88	7.47
07194790	Muddy Fork Illinois River near Savoy, Ark.	Lat 36°04'12", long 94°20'54", in NW¼ sec.14, T.16 N., R.32 W., Washington County, Hydrologic Unit 11110103, at bridge on county road, 2.0 mi south of State Highway 16, and 3.0 mi south of Savoy.	73.5	1964-67, 1987-89	10-04-88	2.05
07194800	Illinois River at Savoy, Ark.	Lat 36°06'11", long 94°20'39", in SE¼ sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, at bridge on State Highway 16, 0.5 mi west of Savoy.	167	1957-63, 1974-78, 1980-81†, 1982-85, 1986†, 1987-89	10-04-88	4.2
07194830	Illinois River near Pedro, Ark.	Lat 36°10'32", long 94°23'32", in NE¼SE¼ sec.4, T.17 N., R.32 W., Benton County, Hydrologic Unit 11110103, at bridge on county road, 0.2 mi south of State Highway 68, and 1.0 mi northeast of Pedro.	(c)	1987-89	10-04-88	28.4
07194950	Little Osage Creek near Healing Springs, Ark.	Lat 36°13'57", long 94°16'37", in SW¼ sec.15, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, 1.5 mi south of State Highway 264 and Healing Springs.	46.8	1954-63, 1987-89	10-04-88	22.9
07195000	Osage Creek near Elm Springs, Ark.	Lat 36°13'19", long 94°17'18", in NE¼ sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, at bridge on county road, 3.2 mi northwest of State Highway 112 and Elm Springs.	130	1950-75†, 1982-89	10-04-88	65.0
07195400	Illinois River near Siloam Springs, Ark.	Lat 36°08'41", long 94°29'41", in SW¼SW¼ sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 16, 3.8 mi southeast of Siloam Springs.	509	1980-81†, 1982-85, 1986†, 1987, 1989	10-04-88	290
07196950	Evansville Creek at Evansville, Ark.	Lat 35°48'20", long 94°29'45", near south edge of and on line between secs.15 and 16, T.13 N., R.33 W., Washington County, Hydrologic Unit 11110103, at bridge on State Highway 59, 1.0 mi north of Evansville.	24.4	1958-64, 1987-89	10-04-88	0.51
*07249500	Cove Creek near Lee Creek, Ark.	Lat 35°43'20", long 94°24'28", in NW¼ sec.16, T.12 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at bridge on county road, 4.1 mi north of State Highway 59, and 4.3 mi northwest of Lee Creek.	35.3	1951-70†, 1977-78, 1988-89	10-06-88	0.03
07249600	Lee Creek at Natural Dam, Ark.	Lat 35°38'46", long 94°23'37", in SW¼ sec.10, T.11 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 59 at Natural Dam.	168	1957-64, 1968, 1971-72, 1987-89	10-06-88	6.75
07249700	Mountain Fork Creek at Natural Dam, Ark.	Lat 35°38'43", long 94°23'49", in SE¼ sec.9, T.11 N., R.32 W., Crawford County, Hydrologic Unit 11110104, 200 ft above mouth, 0.2 mi west of Natural Dam.	38.9	1957-63, 1971-72, 1987-89	10-06-88	0.17
07249800	Lee Creek near Short, Okla.	Lat 35°33'57", long 94°31'53", on line between secs.27 and 34, T.13 N., R.26 E., Sequoyah County, Hydrologic Unit 11110104, at bridge on State Highway 101, 0.5 mi west of Short.	236	1958-63, 1987-89	10-03-88	5.44
07249900	Little Lee Creek near Short, Okla.	Lat 35°34'32", long 94°33'20", in NW¼ sec.28, T.13 N., R.26 E., Sequoyah County, Hydrologic Unit 11110104, at bridge on State Highway 101, 3.0 mi west of Short.	103	1958-67, 1987-89	10-03-88	0.16

* Also a crest-stage partial-record station

† Operated as a continuous-record gaging station

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		ARKANSAS RIVER BASIN--Continued				
07251400	Cedar Creek near Rudy, Ark.	Lat 35°31'45", long 94°16'39", in SE¼ sec.22, T.10 N., R.31 W., Crawford County, Hydrologic Unit 11110201, 200 ft upstream from mouth, and 0.5 mi northwest of Rudy.	51.5	1958-63, 1987-89	10-06-88	1.27
07251790	Mulberry River near Oark, Ark.	Lat 35°41'01", long 93°35'58", in NW¼SE¼ sec.24, T.12 N., R.25 W., Johnson County, Hydrologic Unit 11110201, at bridge on State Highway 103, 1.5 mi southwest of Oark.	(c)	1987-89	10-06-88	2.15
07251800	Little Mulberry Creek near Oark, Ark.	Lat 35°41'11", long 93°39'35", in SW¼ sec.21, T.12 N., R.25 W., Johnson County, Hydrologic Unit 11110201, at bridge on Forest Service road, 3.7 mi west of end of State Highway 103, and 5.0 mi west of Oark.	66.3	1964-67 1987-89	10-06-88	3.13
07251900	Mulberry River near Cass, Ark.	Lat 35°40'10", long 93°49'46", in NE¼ sec.35, T.12 N., R.27 W., Franklin County, Hydrologic Unit 11110201, at bridge on State Highway 23, 1.5 mi southwest of Cass.	266	1964-67, 1987-89	10-05-88	8.70
07252100	Little Mulberry Creek near Mulberry, Ark.	Lat 35°30'37", long 94°04'15", in SW¼ sec.27, T.10 N., R.29 W., Crawford County, Hydrologic Unit 11110201, at bridge on U.S. Highway 64, 1.2 mi northwest of Mulberry.	49.7	1957-63, 1987-89	10-05-88	b0.02
07252300	White Oak Creek near Ozark, Ark.	Lat 35°30'24", long 93°56'45", in SW¼ sec.26, T.10 N., R.28 W., Franklin County, Hydrologic Unit 11110201, at bridge on U.S. Highway 64, 7.0 mi west of Ozark.	75.0	1957-63, 1987-89	10-05-88	0.34
07256200	Horsehead Creek at Hartman, Ark.	Lat 35°26'06", long 93°36'21", in SE¼ sec.13, T.9 N., R.25 W., Johnson County, Hydrologic Unit 11110202, at bridge on U.S. Highway 64, 0.5 mi east of Hartman.	127	1952, 1957-63, 1987-89	10-12-88	0.43
*07256500	Spadra Creek at Clarksville, Ark.	Lat 35°28'06", long 93°27'46", in NE¼ sec.5, T.9 N., R.23 W., Johnson County, Hydrologic Unit 11110202, at bridge on U.S. Highway 64 at Clarksville.	61.1	1953-70†, 1987-89	10-12-88	1.82
07256700	Big Shoal Creek near New Blaine, Ark.	Lat 35°17'30", long 93°27'35", in SE¼ sec.5, T.7 N., R.23 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22, 2.3 mi west of New Blaine.	50.0	1957-63, 1987-89	10-05-88	0.08
*07257200	Little Piney Creek near Lamar, Ark.	Lat 35°26'54", long 93°20'17", near center of sec.9, T.9 N., R.22 W., Johnson County, Hydrologic Unit 11110202, at bridge on State Highway 359, 2.5 mi east of Lamar.	154	1957-64, 1978, 1987-89	10-12-88	0.84
07257470	Middle Fork Illinois Bayou near Hector, Ark.	Lat 35°31'42", long 92°56'29", in SE¼ sec.7, T.10 N., R.18 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 27, 4.9 mi northeast of Hector.	57.3	1964-67, 1987-89	10-05-88	3.26
07257480	North Fork Illinois Bayou near Scottsville, Ark.	Lat 35°30'00", long 93°01'07", in SE¼ sec.21, T.10 N., R.19 W., Pope County, Hydrologic Unit 11110202, at bridge on Forest Service road, 2.4 mi southwest of State Highway 27, and 4.0 mi northeast of Scottsville.	87.4	1964-67, 1987-89	10-05-88	1.38
07260595	Spring Creek near Belleville, Ark.	Lat 35°06'15", long 93°23'58", in NE¼SW¼ sec.12, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, at bridge on county road, 2.9 mi northeast of Belleville.	(c)	1989	10-06-88	0.74
07260623	Little Chickalah Creek at Chickalah, Ark.	Lat 35°09'53", long 93°17'09", in NW¼NE¼ sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27 at Chickalah.	(c)	1987-89	10-06-88	0.09

* Also a crest-stage partial-record station

† Operated as a continuous-record gaging station

b Estimated

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	Measurements Discharge (ft³/s)
		ARKANSAS RIVER BASIN--Continued				
07260673	West Fork Point Remove Creek near Hattieville, Ark.	Lat 35°19'25", long 92°52'22", in NE¼SE¼ sec.23, T.8 N., R.18 W., Pope County, Hydrologic Unit 11110203, at bridge on State Highway 247, 5.4 mi northwest of Hattieville.	222	1978, 1987-89	10-05-88 10-25-88	55.6 11.0
07261200	East Fork Cadron Creek near Enola, Ark.	Lat 35°13'06", long 92°16'44", in NE¼ sec.28, T.7 N., R.12 W., Faulkner County, Hydrologic Unit 11110205, at bridge on county road, 2.1 mi south of State Highway 225, and 4.5 mi west of Enola.	122	1957-63, 1987-89	10-03-88	1.60
07261600	Gafford Creek near Bluffton, Ark.	Lat 34°53'53", long 93°36'44", sec.24, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, at bridge on State Highway 28, 0.8 mi southwest of Bluffton.	41.0	1957-63, 1987-89	10-14-88	0
07263290	Maumelle River at Williams Junction, Ark.	Lat 34°53'32", long 92°46'58", in NW¼ sec.23, T.3 N., R.17 W., Perry County, Hydrologic Unit 11110207, at bridge on State Highway 9, 1.0 mi northwest of Williams Junction.	26.5	1964-67, 1987-89	10-03-88	0
07263420	Little Maumelle River at Pinnacle, Ark.	Lat 34°50'15", long 92°29'48", in NE¼SE¼ sec.4, T.2 N., R.14 W., Pulaski County, Hydrologic Unit 11110207, at bridge on State Highway 300, 0.9 mi north of Pinnacle.	61.7	1988-89	10-03-88 10-25-88	8.83 4.27
07263600	Fourche Creek at Little Rock, Ark.	Lat 34°43'01", long 92°15'28", in NE¼ sec.14, T.1 N., R.12 W., Pulaski County, Hydrologic Unit 11110207, at bridge on State Highway 365, 0.3 mi north of Interstate 440 at Little Rock.	163	1957, 1959-63, 1987-89	10-11-88	7.54
		RED RIVER BASIN				
07341690	Bois d'Arc Creek near Hope, Ark.	Lat 33°39'08", long 93°39'07", in NE¼ sec.2, T.13 S., R.25 W., Hempstead County, Hydrologic Unit 11140201, at bridge on U.S. Highway 67, 4.0 mi southwest of Hope.	36.4	1964-67 1987-89	10-04-88	1.03
07342150	Maniece Bayou near Canfield, Ark.	Lat 33°11'42", long 93°41'07", in SW¼ sec.10, T.18 S., R.25 W., Lafayette County, Hydrologic Unit 11140201, at highway bridge 3.1 mi west of Canfield.	85.2	1959-64, 1987-89	10-06-88	3.67
07342350	McKinney Bayou near Garland, Ark.	Lat 33°24'46", long 93°48'27", in SE¼ sec.29, T.15 S., R.26 W., Miller County, Hydrologic Unit 11140201, at bridge on U.S. Highway 82, 6.7 mi northwest of Garland.	175	1959-63, 1988-89	10-06-88	1.92
07344300	Days Creek southeast of Texarkana, Ark.	Lat 33°19'06", long 94°00'16", in NW¼SE¼ sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 8.2 mi southeast of Texarkana.	78.5	1973-88	10-04-88	12.0
07348600	Bayou Dorcheat at Buckner, Ark.	Lat 33°21'32", long 93°24'47", in NE¼ sec.18, T.16 S., R.22 W., Lafayette-Columbia County line, Hydrologic Unit 11140203, at bridge on U.S. Highway 82, 1.2 mi east of Buckner.	125	1958-65, 1987-89	10-03-88	0
07349420	Whitten Branch near Bodcau, Ark. (formerly published as Whetton Branch near Bodcau, Ark.)	Lat 33°32'36", long 93°24'39", in NE¼ sec. 7, T.14 S., R.22 W., Nevada County, Hydrologic Unit 11140205, at bridge on State Highway 53, 1.1 mi south of Bodcau.	3.09	1964-67, 1987-89	10-03-88	0
07349427	Bodcau Creek northwest of Stamps, Ark.	Lat 33°22'32", long 93°31'14", in NE¼NW¼ sec.7, T.16 S., R.23 W., Lafayette County, Hydrologic Unit 11140205, at bridge on county road 0.5 mi north of U.S. Highway 82, and 1.5 mi northwest of Stamps.	(c)	1987, 1989	10-03-88	0

† Operated as a continuous-record gaging station

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	Measurements Discharge (ft³/s)
		RED RIVER BASIN--Continued				
07356300	Irons Fork near Aly, Ark.	Lat 34°46'02", long 93°29'35", in NW¼ sec.6, T.1 N., R.23 W., Yell County, Hydrologic Unit 08040101, at bridge on State Highway 27, 1.6 mi south of Aly.	47.2	1964-67, 1987-89	10-14-88	0.04
07356500	South Fork Ouachita River at Mount Ida, Ark.	Lat 34°33'37", long 93°38'09", in NE¼ sec.23, T.2 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, at bridge on U.S. Highway 270 at Mount Ida.	61.0	1949-70†, 1987-89	10-14-88	4.45
07357710	Glazypeau Creek at Mountain Pine, Ark.	Lat 34°34'18", long 93°09'33", in SE¼ sec.8, T.2 S., R.20 W., Garland County, Hydrologic Unit 08040101, at bridge on State Highway 227, 0.5 mi east of Mountain Pine.	30.1	1964-67, 1987-89	10-13-88	4.06
07357800	Mazarn Creek near Pearcy, Ark.	Lat 34°27'00", long 93°18'30", in SW¼NE¼ sec.25, T.3 S., R.22 W., Garland County, Hydrologic Unit 08040101, at bridge on county road, 1.9 mi northwest of Pearcy.	67.1	1987-89	10-13-88	0.43
07358010	Fourche a'Loupe Creek near Hot Springs, Ark.	Lat 34°23'00", long 93°07'57", in SW¼ sec.15, T.4 S., R.20 W., Hot Spring County, Hydrologic Unit 08040101, at bridge on State Highway 7, 9.2 mi southwest of Hot Springs.	4.37	1964-67, 1987-89	10-13-88	0.52
07348700	Gulpha Creek near Hot Springs, Ark.	Lat 34°28'16", long 92°59'09", in SE¼ sec.13, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at bridge on U.S. Highway 270, 4.6 mi southeast of Hot Springs.	38.8	1957-63, 1988-89	10-13-88	4.02
07359565	Tenmile Creek near Central, Ark.	Lat 34°16'02", long 92°51'08", in NE¼NE¼ sec.29, T.5 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, at culvert on county road, 2.2 mi south of Central.	(c)	1988-89	10-11-88	0.70
07359600	Caddo River at Caddo Gap, Ark.	Lat 34°23'50", long 93°37'18", in NE¼ sec. 13, T.4 S., R.25 W., Montgomery County, Hydrologic Unit 08040102, at highway bridge, 0.2 mi southwest of State Highway 8 at Caddo Gap.	125	1957-63, 1971, 1987-89	10-14-88	32.0
07360100	L'Eau Frais Creek at Joan, Ark.	Lat 34°06'27", long 92°55'52", in NE¼ sec.22, T.7 S., R.18 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 128, 0.7 mi southeast of Joan.	74.2	1958-67, 1987-89	10-11-88	5.67
07360160	Cypress Creek at Manning, Ark.	Lat 34°01'23", long 92°48'07", in SW¼ sec.13, T.8 S., R.17 W., Dallas County, Hydrologic Unit 08040102, at bridge on State Highway 8, 0.4 mi west of Manning.	55.9	1964-67, 1987-89	10-06-88	3.22
07360800	Muddy Fork Creek near Murfreesboro, Ark.	Lat 34°05'00", long 93°45'07", in SW¼ sec.2, T.8 S., R.26 W., Pike County, Hydrologic Unit 08040103, 0.3 mi east of county road, 4.0 mi northwest of Murfreesboro.	120	1987-89	10-05-88	0.25
07361025	Prairie Creek near Murfreesboro, Ark.	Lat 34°02'34", long 93°41'02", in NE¼ sec.20, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 301, 1.5 mi south of Murfreesboro.	33.7	1964-67, 1987-89	10-05-88	0.21
07361160	North Fork Ozan Creek near McCaskill, Ark.	Lat 33°52'24", long 93°38'30", near center and on line between secs.14 and 23, T.10 S., R.25 W., Hempstead County, Hydrologic Unit 08040103, at bridge on county road, 3.0 mi south of State Highway 24 and McCaskill.	97.3	1964-67, 1987-89	10-05-88	0.76
07361200	Ozan Creek near McCaskill, Ark.	Lat 33°52'55", long 93°35'59", in NE¼ sec.18, T.10 S., R.24 W., Hempstead County, Hydrologic Unit 08040103, at bridge on State Highway 24, 3.5 mi southeast of McCaskill.	144	1959-61, 1962-70†, 1987-89	10-04-88	1.40

† Operated as a continuous-record gaging station

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	 Discharge (ft³/s)
RED RIVER BASIN--Continued						
07361540	Wolf Creek near Antoine, Ark.	Lat 34°01'11", long 93°26'15", in SE¼ sec.27, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 29, 1.5 mi southwest of Antoine.	37.4	1964-67, 1987-89	10-05-88	3.23
07361629	Terre Rouge Creek northeast of Hope, Ark.	Lat 33°43'22", long 93°32'28", in NE¼NW¼ sec.12, T.12 S., R.24 W., Hempstead County, Hydrologic Unit 08040103, at bridge on State Highway 174, 4.7 mi northeast of Hope.	(c)	1987-89	10-04-88	0.69
07361640	Little Terre Rouge Creek near Emmet, Ark.	Lat 33°44'56", long 93°27'45", in NE¼ sec.34, T.11 S., R.23 W., Nevada County, Hydrologic Unit 08040103, at bridge on U.S. Highway 67, 1.4 mi northeast of Emmet.	40.5	1964-67, 1987-89	10-06-88	0.74
07361650	Terre Rouge Creek near Prescott, Ark.	Lat 33°46'46", long 93°14'10", in SW¼ sec.14, T.11 S., R.21 W., Nevada County, Hydrologic Unit 08040103, at bridge on State Highway 24, 8.5 mi east of Prescott.	232	1958-64, 1968, 1987-89	10-06-88	1.83
07361700	Caney Creek near Bluff City, Ark.	Lat 33°45'50", long 93°08'50", in SE¼ sec.22, T.11 S., R.20 W., Nevada County, Hydrologic Unit 08040103, at bridge on State Highway 24, 3.6 mi north of Bluff City.	181	1958-67, 1987-89	10-03-88	0
07361755	Terre Noire Creek near Hollywood, Ark.	Lat 34°05'36", long 93°17'29", in SW¼NW¼ sec.31, T.7 S., R.21 W., Clark County, Hydrologic Unit 08040103, at bridge on State Highway 26, 2.5 mi west of Hollywood.	35.9	1966-67, 1987-89	10-05-88	0.53
07361800	Terre Noire Creek near Gurdon, Ark.	Lat 33°55'02", long 93°02'08", in SW¼ sec.27, T.9 S., R.19 W., Clark County, Hydrologic Unit 08040103, at bridge on county road, 7.0 mi east of Gurdon.	258	1959-63, 1966, 1987-89	10-03-88	2.60
07361847	Tulip Creek east of Pine Grove, Ark.	Lat 33°52'35", long 92°44'39", in NE¼NE¼ sec.9, T.10 S., R.16 W., Dallas County, Hydrologic Unit 08040102, at bridge on county road, 1.1 mi north of State Highway 128, and 1.6 mi east of Pine Grove.	128	1987-89	10-06-88	4.55
07361900	Freeo Creek near Eagle Mills, Ark. (formerly published as Bayou Freeo near Eagle Mills, Ark.)	Lat 33°43'24", long 92°42'24", in SW¼ sec.36, T.11 S., R.16 W., Ouachita County, Hydrologic Unit 08040102, at bridge on State Highway 9, 2.5 mi north of Eagle Mills.	78.0	1958-64, 1987-89	10-06-88	0
07362060	Two Bayou at Camden, Ark.	Lat 33°34'04", long 92°50'21", in SE¼ sec.27, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040201, at bridge on U.S. Highway 79 near southwest city limits of Camden.	118	1964-67, 1987-89	10-05-88	0
07362070	Locust Bayou at Locust Bayou, Ark.	Lat 33°33'27", long 92°40'33", in NW¼ sec.32, T.13 S., R.15 W., Calhoun County, Hydrologic Unit 08040201, at bridge on State Highway 4, 0.4 mi west of Locust Bayou.	62.3	1964-67, 1987-89	10-05-88	0
07362080	Gum Creek near Stephens, Ark.	Lat 33°26'39", long 93°02'54", in SE¼ sec.10, T.15 S., R.19 W., Ouachita County, Hydrologic Unit 08040201, at bridge on U.S. Highway 79, 2.5 mi northeast of Stephens.	26.9	1960-61, 1964-67, 1987-89	10-05-88	0
07362090	Camp Creek near Smackover, Ark.	Lat 33°21'12", long 92°46'28", in NE¼ sec.8, T.16 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on State Highway 160, 2.0 mi west of Smackover city limits.	43.3	1960-61, 1964-67, 1987-89	10-04-88	0
07362300	Champagnolle Creek at Hampton, Ark.	Lat 33°33'09", long 92°28'05", in NW¼ sec.32, T.13 S., R.13 W., Calhoun County, Hydrologic Unit 08040201, at bridge on U.S. Highway 167, 1.0 mi north of Hampton.	69.4	1958-61, 1987-89	10-04-88	0

c Not determined

Low-flow partial-record stations--continued

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		RED RIVER BASIN--Continued				
07362540	Whitewater Creek[e] near Tinsman, Ark.	Lat 33°39'40", long 92°21'15", in NW¼ sec.21, T.12 S., R.12 W., Calhoun County, Hydrologic Unit 08040201, at bridge on State Highway 274, 2.2 mi north of Tinsman.	25.0	1964-67, 1987-89	10-04-88	0
07362550	Moro Creek near Banks, Ark.	Lat 33°32'38", long 92°19'00", in NW¼ sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, Hydrologic Unit 08040201, at bridge on State Highway 4, 3.5 mi southwest of Banks.	385	1959-63, 1974-89	10-04-88	0
07362600	Alum Fork at Crows, Ark.	Lat 34°36'56", long 92°44'55", in NW¼ sec.29, T.1 S., R.16 W., Saline County, Hydrologic Unit 08040203, at bridge on State Highway 5, 1.0 mi east of Crows.	121	1958-64, 1988-89	10-07-88	8.67
07362700	Middle Fork at Crows, Ark.	Lat 34°36'54", long 92°46'44", in NW¼ sec.25, T.1 S., R.17 W., Saline County, Hydrologic Unit 08040203, at bridge on State Highway 5, 0.5 mi west of Crows.	102	1957-64, 1987-89	10-07-88	13.2
07362800	South Fork near Hot Springs, Ark.	Lat 34°35'10", long 92°58'11", in SE¼ sec.6, T.2 S., R.18 W., Garland County, Hydrologic Unit 08040203, at bridge on State Highway 5, 7.0 mi northeast of Hot Springs.	12.6	1958-64, 1987-89	10-13-88	1.99
07362820	South Fork Saline River at Nance, Ark.	Lat 34°33'17", long 92°45'48", in NE¼SW¼ sec.18, T.2 S., R.16 W., Saline County, Hydrologic Unit 08040203, at bridge on county road, 0.4 mi north of U.S. Highway 70, and 0.5 mi northeast of Nance.	(c)	1964, 1987-89	10-07-88	19.3
07362870	North Fork at Paron, Ark.	Lat 34°46'44", long 92°45'28", in N¼ and on line of sec.31, T.2 N., R.16 W., Saline County, Hydrologic Unit 08040203, at bridge on State Highway 9, 0.4 mi north of Paron.	20.2	1964-67, 1987-89	10-03-88	0
07362900	North Fork near Benton, Ark.	Lat 34°36'18", long 92°37'07", in SW¼ sec.28, T.1 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on State Highway 5, 4.0 mi northwest of Benton.	133	1957-64, 1988-89	10-03-88	27.9
07363097	Francois Creek north of Poyen, Ark.	Lat 34°21'09", long 92°37'57", in NE¼NW¼ sec.28, T.4 S., R.15 W., Grant County, Hydrologic Unit 08040203, at bridge on State Highway 229, 2.1 mi north of Poyen.	(c)	1988-89	10-04-88	3.32
07363110	Big Creek at Poyen, Ark.	Lat 34°18'52", long 92°38'25", in SE¼ sec.5, T.5 S., R.15 W., Grant County, Hydrologic Unit 08040203, at bridge on State Highway 229, 0.7 mi south of Poyen.	32.1	1964-67, 1988-89	10-04-88	5.20
07363160	Saline River near Leola, Ark.	Lat 34°12'37", long 92°32'52", in NW¼SW¼ sec.8, T.6 S., R.14 W., Grant County, Hydrologic Unit 08040203, at bridge on State Highway 46, 3.8 mi northeast of Leola.	896	1964-65, 1987-89	10-11-88	73.2
07363276	Hurricane Creek near Ico, Ark.	Lat 34°27'05", long 92°22'18", in NE¼ sec.23, T.3 S., R.13 W., Grant County, Hydrologic Unit 08040203, at bridge on county road, 1.2 mi west of Ico.	(c)	1963-65, 1987-89	10-04-88	6.70
07363435	Derrieusseaux Creek near Grapevine, Ark.	Lat 34°08'44", long 92°14'39", in NE¼NW¼ sec.5, T.7 S., R.11 W., Grant County, Hydrologic Unit 08040203, at bridge on county road, 0.6 mi west of Grant-Jefferson County line, and 4.3 mi east of Grapevine.	77.0	1964-65, 1987-89	10-04-88	0
07363440	Derrieusseaux Creek near Rison, Ark.	Lat 33°58'46", long 92°15'18", in SE¼ sec.31, T.8 S., R.11 W., Cleveland County, Hydrologic Unit 08040203, at bridge on State Highway 35, 4.0 mi northwest of Rison.	140	1964-67, 1987-89	10-04-88	0

c Not determined

Discharge measurements made at low-flow partial-record stations during water year 1989

Station number	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	 Discharge (ft³/s)
		RED RIVER BASIN--Continued				
07363460	Big Creek near Pine Bluff, Ark.	Lat 34°07'05", long 92°07'54", in NE¼ sec.17, T.7 S., R.10 W., Jefferson County, Hydrologic Unit 08040204, at bridge on U.S. Highway 79, 7.0 mi southwest of Pine Bluff.	14.8	1964-67, 1987-89	10-04-88	0
07363465	Big Creek near Pansy, Ark.	Lat 33°49'47", long 92°04'58", in NE¼ sec.24, T.10 S., R.10 W., Cleveland County, Hydrologic Unit 08040204, at bridge on State Highway 35, 4.7 mi west of Pansy.	153	1964-67, 1987-89	10-04-88	0
07363700	Hudgin Creek near Pansy, Ark.	Lat 33°50'00", long 91°58'48", in NE¼ sec.24, T.10 S., R.9 W., Cleveland County, Hydrologic Unit 08040204, at bridge on State Highway 11, 1.5 mi northeast of Pansy.	109	1958-63, 1966, 1987-89	10-04-88	0
07364003	Saline River southeast of Warren, Ark.	Lat 33°34'57", long 92°01'32", in SW¼NW¼ sec.15, T.13 S., R.9 W., Bradley County, Hydrologic Unit 08040204, at abandoned county road bridge crossing, 1.6 mi south of State Highway 4, and 3.1 mi southeast of Warren.	(c)	1987-89	10-04-88	40.7
07364010	Brown Creek near Lacey, Ark.	Lat 33°28'22", long 91°50'09", in SW¼ sec.21, T.14 S., R.7 W., Drew County, Hydrologic Unit 08040204, at bridge on State Highway 81, 1.2 mi north of Lacey.	14.6	1964-67, 1987-89	10-04-88	0
07364020	L'Aigle Creek at Hermitage, Ark.	Lat 33°26'29", long 92°11'07", in NE¼ sec.1, T.15 S., R.11 W., Bradley County, Hydrologic Unit 08040204, at bridge on State Highway 15, 0.5 mi southeast of Hermitage.	172	1958-63, 1987-89	10-04-88	0
07364060	Bayou Lapile at Strong, Ark.	Lat 33°06'53", long 92°20'47", in NE¼ sec.33, T.18 S., R.12 W., Union County, Hydrologic Unit 08040202, at highway bridge, 0.5 mi northeast of Strong.	(c)	1958-65, 1987-89	10-05-88	5.14
07364600	Bayou de L'Outre near El Dorado, Ark.	Lat 33°05'55", long 92°35'32", in NW¼ sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at highway bridge, 1.1 mi northeast of State Highway 7, and 8.5 mi southeast of El Dorado.	78.2	1959-64, 1971-75, 1977-85, 1987-89	10-05-88	28.4
07366100	Little Cornie Bayou near Junction City, Ark.	Lat 33°02'10", long 92°42'25", in SE¼ sec.25, T.19 S., R.16 W., Union County, Hydrologic Unit 08040206, at bridge on U.S. Highway 167, 2 mi northeast of Junction City.	(c)	1958-65, 1987-89	10-05-88	4.98

c Not determined

Special Study and Miscellaneous Sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES DURING WATER YEAR 1989

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
		ST. FRANCIS RIVER BASIN				
07047947 Second Creek	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW¼SE¼ sec.17, T.5 N., R.2 E., St. Francis County at bridge on county road 4.0 mi north of Palestine.	(a)	1986-88	03-10-89 08-22-89	295 b20
		WHITE RIVER BASIN				
07048550 West Fork White River	White River	Lat 36°03'11", long 94°06'16", in NE¼NE¼ sec.24, T.16 N., R.30 W., Washington County on downstream side of bridge on State Highway 16 near Baldwin.	(a)	1986-88	12-06-88 01-26-89 04-20-89 06-19-89 08-16-89	20.9 1,020 97.5 148 3.
07069170 Spring River	Black River	Lat 36°30'10", long 91°31'31", in SE¼SE¼ sec.5, T.21 N., R.5 W., Oregon County, Mo., at bridge on county road, 0.6 mi east of U.S. Highway 63, 0.2 mi north of Missouri-Arkansas State line, and 1.1 mi southeast of Thayer, Mo.	(a)	1971-75, 1983-88	11-30-88 05-03-89	173 127
07069295 South Fork Spring River	Spring River	Lat 36°21'00", long 91°38'00", in NW¼NW¼ sec.33, T.20 N., R.6 W., Fulton County, at bridge on State Highway 289, 0.2 mi southeast of Saddle.	(a)	1974-88	05-03-89 09-07-89	113 23.9
07076950 Wattensaw Bayou	White River	Lat 34°52'34", long 91°33'56", in SE¼SE¼ sec.18, T.3 N., R.5 W., Prarie County, at bridge on State Highway 11, 7.0 mi north of Hazen.	(a)	1984-88	03-08-89 07-17-89	1,130 63.3
		ARKANSAS RIVER BASIN				
07188910 Butler Creek	Elk River	Lat 36°30'44", long 94°28'54", in NW¼NW¼ sec.35, T.21 N., R.33 W., McDonald County, Mo., at county bridge about 500 ft west of State Highway 59, 0.9 mi north of State line along Highway 59, and 2.0 mi northwest of Sulphur Springs.	34.9	1971-88	12-06-88 03-22-89 06-19-89 08-16-89	11.7 51.3 44.7 8.16
07195000 Osage Creek	Illinois River	Lat 36°13'19", long 94°17'18", in SW¼NE¼ sec.21, T.18 N., R.31 W., Benton County, on left bank, 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.	130	1950-75c 1977, 1982-88	12-06-88 03-22-89 06-19-89 08-16-89	61.5 187 120 53.5
07195400 Illinois River	Arkansas River	Lat 36°08'41", long 94°29'41", in SW¼SW¼ sec.15, T.17 N., R.33 W., Benton County, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs.	509	1979-81c 1982-85 1986c 1987-88	12-20-88 04-20-89 08-17-89	139 388 158
07246950 Poteau River	Arkansas River	Lat 34°54'47", long 94°06'28", in SE¼SW¼ sec.17, T.3 N., R.29 W., Scott County, at bridge on U.S. Highway 71, 0.9 mi north of Waldron.	(a)	1986-88	03-22-89 06-21-89 09-05-89	11.1 158 .06
07260620 Chickalah Creek	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW¼ sec.24, T.6 N., R.22 W., Yell County, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.	(a)	1964-67d 1986-88	04-18-89 06-28-89 09-05-89	16.8 7.90 2.56
		RED RIVER BASIN				
e07338720 Mountain Fork	Little River	Lat 34°30'18", long 94°25'50", in NE¼NE¼ sec.17, T.3 S., R.32 W., Polk County, at bridge on state Highway 246, 3.1 mi northwest of Hatfield.	168	1962-67d 1971-73 1986-88	03-22-89 06-21-89 09-11-89	138 92.7 25.2

"See footnotes at end of table."

Special study and miscellaneous sites--Continued

DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES DURING WATER YEAR 1989

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		RED RIVER BASIN--Continued				
f07344300 Days Creek	Sulphur River	Lat 33°19'06", long 94°00'16", in NE¼SE¼ sec.33, T.16 S., R.28 W., Miller County, at bridge on State Highway 237, 7.0 mi south of Texarkana.	78.5	1973-88	11-03-88 01-19-89 04-11-89	18.0 70.5 46.5
073494000 Bodcau Creek	Red Chute Bayou	Lat 33°15'42", long 93°33'05", in SE¼ sec.14, T.17 S., R.14 W., Lafayette County, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.	297	1974-85, 1987-88	12-15-88 03-13-89 05-25-89	746 402 793
07356500 South Fork Ouachita River	Ouachita River	Lat 34°33'37", long 93°38'09", in sec.23, T.2 S., R.25 W., Montgomery County, at bridge on U.S. Highway 270 at Mt. Ida, 3.4 mi upstream from Williams Creeks.	61	1949-70c 1988	10-14-88 09-11-89	4.45 16.5
07359770 Caddo River	Ouachita River	Lat 34°17'05", long 93°24'56", in NW¼SE¼ sec.24, T.5 S., R.23 W., Clark County, at bridge on State Highway 84, 2.9 mi northeast of Amity.	291	1987-88	09-13-89	89.1
07360200 Little Missouri	Ouachita River	Lat 34°18'41", long 93°53'58", in SW¼ sec.16, T.5 S., R.26 W., Pike County, at bridge on State Highway 84, 3.3 mi west of Langley.	68.4	1958-63d 1974-88	03-30-89 06-21-89 09-11-89	994 54.2 47.2
07362550 Moro Creek	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, at bridge on State Highway 4, 4.0 mi west of Banks.	385	1958-63d 1974-88	12-01-88 05-16-89 08-08-89	706 179 244
07363270 Hurricane Creek	Saline River	Lat 34°30'40", long 92°24'54", in SW¼ sec.28, T.2 S., R.13 W., Saline County, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	66.0	1974-88	02-22-89	323
07364115 Bayou Bartholomew	Ouachita River	Lat 34°06'24", long 91°54'06", in NW¼ sec.22, T.7 W., R.8 W., Jefferson County, at bridge on county road, 2.2 south of Ladd.	(a)	1968, 1974-88	02-24-89 08-10-89	907 9.15

a Not determined.
b Estimated.
c Operated as a continuous-record station.
d Operated as a low-flow partial-record station.
e Also a low-flow partial-record station.
f Operated as a stage station by U.S. Army Corps of Engineers.

Water-quality data in the following table were collected in conjunction with low-flow discharge measurements made during baseflow conditions.

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
07047976 - WHITE RIVER AT COMBS, ARK. (LAT 35 49 40N LONG 093 49 54W)						
OCT 05...	1030	80513	80513	6.6	17.5	31
07047980 - WHITE RIVER AT ELKINS, ARK. (LAT 36 00 03N LONG 094 00 13W)						
OCT 05...	1030	80513	80513	23	15.5	63
07047985 - MIDDLE FK. WHITE RIVER NR. FAYETTEVILLE, ARK. (LAT 36 00 58N LONG 094 03 59W)						
OCT 05...	0940	80513	80513	0.06	14.0	131
07048000 - WEST FORK WHITE RIVER AT GREENLAND, ARK (LAT 35 58 50N LONG 094 10 05W)						
OCT 05...	0815	80513	80513	0.60	17.0	230
07048800 - RICHLAND CREEK AT GOSHEN, ARK. (LAT 35 58 50N LONG 094 10 05W)						
OCT 05...	0855	80513	80513	0.70	15.0	245
JAN 03...	1135	80513	80020	--	8.5	123
MAY 01...	1255	80513	80020	--	18.5	153
AUG 07...	1545	80513	80020	--	28.0	214
07049700 - BLUE SPRING NEAR EUREKA SPRINGS, ARK. (LAT 36 27 52N LONG 093 48 45W)						
OCT 06...	1815	80513	80513	2.1	15.0	355
07050225 - KINGS RIVER NEAR KINGSTON, ARK. (LAT 36 05 17N LONG 093 32 30W)						
OCT 06...	1215	80513	80513	4.0	15.0	215
07050250 - KINGS RIVER NEAR PLEASANT VALLEY, ARK. (LAT 36 23 22N LONG 093 39 33W)						
OCT 06...	1500	80513	80513	24	16.0	237
07050390 - OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARK. (LAT 36 23 22N LONG 093 39 33W)						
OCT 06...	1545	80513	80513	7.2	16.0	305
07053200 - LONG CREEK AT ALPENA, ARK. (LAT 36 17 31N LONG 093 16 54W)						
OCT 06...	1000	80513	80513	3.3	15.0	285
07053250 - YOCUM CREEK NEAR OAK GROVE, ARK. (LAT 36 27 17N LONG 093 21 21W)						
OCT 06...	1050	80513	80513	6.3	16.0	322
07054410 - BEAR CREEK NEAR OMAHA, ARK. (LAT 36 26 58N LONG 093 04 31W)						
OCT 05...	1820	80513	80513	26	19.5	385
07054420 - WEST SUGARLOAF CREEK NEAR LEAD HILL, ARK. (LAT 36 25 13N LONG 092 56 05W)						
OCT 05...	1730	80513	80513	2.2	18.0	428
07055565 - CROOKED CREEK AT HARRISON, ARK. (LAT 36 25 13N LONG 092 56 05W)						
OCT 06...	0910	80513	80513	3.4	15.0	338
07055600 - CROOKED CREEK AT PYATT, ARK. (LAT 36 14 45N LONG 092 50 04W)						
OCT 05...	1625	80513	80513	31	16.5	359

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
07055608 - CROOKED CREEK AT YELLVILLE, ARK. (LAT 36 14 45N LONG 092 50 04W)						
OCT						
05...	1530	80513	80513	16	16.5	310
07055609 - GRAY SPRING NEAR YELLVILLE, ARK. (LAT 36 10 17N LONG 092 40 47W)						
OCT						
05...	1500	80513	80513	1.5	15.0	389
07055680 - BUFFALO RIVER AT PRUITT, ARK. (LAT 36 03 39N LONG 093 08 18W)						
OCT						
06...	0820	80513	80513	11	16.0	230
07055700 - LITTLE BUFFALO RIVER AT JASPER, ARK. (LAT 36 00 37N LONG 093 11 02W)						
OCT						
06...	0740	80513	80513	6.6	15.5	255
07056510 - BEAR CREEK NEAR MARSHALL, ARK. (LAT 35 56 23N LONG 092 42 47W)						
OCT						
05...	0950	80513	80513	7.4	15.0	355
07057000 - BUFFALO RIVER NEAR RUSH, ARK. (LAT 36 07 02N LONG 092 33 16W)						
OCT						
05...	1230	80513	80513	98	20.0	245
07057100 - BIG CREEK NEAR BIG FLAT, ARK. (LAT 35 58 43N LONG 092 28 53W)						
OCT						
05...	1100	80513	80513	11	15.5	302
07060520 - PINEY CREEK NEAR CALICO ROCK, ARK. (LAT 36 08 49N LONG 092 04 16W)						
OCT						
05...	1550	80513	80513	14	16.5	360
07060670 - HUGHES CREEK NEAR MOUNTAIN VIEW, ARK. (LAT 35 51 46N LONG 092 08 47W)						
OCT						
05...	1045	80513	80513	0.14	15.0	305
07060700 - SOUTH SYLAMORE CREEK AT ALLISON, ARK. (LAT 35 56 09N LONG 092 07 17W)						
OCT						
05...	1430	80513	80513	25	17.0	285
07060720 - NORTH SYLAMORE CREEK NEAR ALLISON, ARK. (LAT 35 58 05N LONG 092 10 16W)						
OCT						
05...	1245	80513	80513	9.2	16.0	278
07060810 - WEST(BIG) LAFFERTY CREEK NEAR CUSHMAN, ARK. (LAT 35 52 12N LONG 091 49 52W)						
OCT						
06...	1015	80513	80513	6.5	15.0	348
07060813 - EAST(LITTLE)LAFFERTY CREEK NEAR CUSHMAN, ARK. (LAT 35 51 56N LONG 091 49 14W)						
OCT						
06...	1100	80513	80513	5.4	15.0	310
07060885 - SPRING CREEK NEAR BATESVILLE, ARK. (LAT 35 49 24N LONG 091 43 11W)						
OCT						
06...	0900	80513	80513	3.5	14.5	245
07060900 - POLK BAYOU AT BATESVILLE, ARK. (LAT 35 46 16N LONG 091 39 18W)						
OCT						
06...	1200	80513	80513	43	15.0	325
07061075 - SALADO CREEK NEAR PLEASANT PLAINS, ARK. (LAT 35 36 45N LONG 091 36 24W)						
OCT						
07...	0900	80513	80513	11	15.5	38
07061090 - CANEY CREEK AT SOUTHSIDE, ARK. (LAT 35 40 45N LONG 091 36 56W)						
OCT						
07...	0815	80513	80513	E0.50	14.5	215

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

	DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)
07068880	- MUD CREEK NEAR INGRAM, ARK. (LAT 36 25 23N LONG 090 58 30W)						
	OCT 04...	1330	80513	80513	11	17.5	429
07068890	- FOURCHE RIVER ABOVE POCAHONTAS, ARK. (LAT 36 20 21N LONG 090 56 33W)						
	OCT 04...	1505	80513	80513	113	18.0	375
07068900	- FOURCHE RIVER NEAR POCAHONTAS, ARK. (LAT 36 16 52N LONG 090 55 46W)						
	OCT 06...	1510	80513	80513	143	14.5	
07069265	- WYATT CREEK NEAR SALEM, ARK. (LAT 36 26 39N LONG 091 40 11W)						
	OCT 04...	1530	80513	80513	17	19.5	468
07069266	- SPRING RIVER NEAR HARDY, ARK. (LAT 36 20 17N LONG 091 30 30W)						
	OCT 04...	1230	80513	80513	441	18.0	440
07069270	- SOUTH FORK SPRING RIVER NEAR SALEM, ARK. (LAT 36 24 31N LONG 091 49 04W)						
	OCT 04...	1620	80513	80513	50	18.5	342
07069300	- SOUTH FORK SPRING RIVER NEAR HARDY, ARK. (LAT 36 18 33N LONG 091 30 34W)						
	OCT 04...	1100	80513	80513	197	17.5	404
07069350	- MARTINS CREEK NEAR WILLIFORD, ARK. (LAT 36 16 23N LONG 091 19 59W)						
	OCT 06...	1445	80513	80513	6.1	15.0	462
07069400	- JANES CREEK AT RAVENDEN SPRINGS, ARK. (LAT 36 18 09N LONG 091 13 58W)						
	OCT 04...	1015	80513	80513	8.3	16.5	458
07071980	- DILES CREEK NEAR DALTON, ARK. (LAT 36 27 14N LONG 091 11 00W)						
	OCT 04...	1150	80513	80513	4.2	18.0	500
07072100	- ELEVEN POINT RIVER NEAR POCAHONTAS, ARK. (LAT 36 14 43N LONG 091 05 05W)						
	OCT 06...	1210	80513	80513	573	15.0	380
07072900	- STRAWBERRY RIVER NEAR FRANKLIN, ARK. (LAT 36 10 41N LONG 091 44 19W)						
	OCT 05...	1730	80513	80513	9.0	18.0	372
07073000	- STRAWBERRY RIVER NEAR EVENING SHADE, ARK. (LAT 36 05 56N LONG 091 36 30W)						
	OCT 03...	1600	80513	80513	33	18.0	310
07073600	- MILL CREEK AT EVENING SHADE, ARK. (LAT 36 03 56N LONG 091 36 37W)						
	OCT 03...	1400	80513	80513	14	18.0	360
07073995	- NORTH BIG CREEK NEAR EVENING SHADE, ARK. (LAT 36 08 17N LONG 091 30 12W)						
	OCT 03...	1515	80513	80513	18		398
07074248	- SOUTH BIG CREEK NEAR STRAWBERRY, ARK. (LAT 36 01 12N LONG 091 20 09W)						
	OCT 06...	1000	80513	80513	25	14.0	358
07074250	- REEDS CREEK NEAR STRAWBERRY, ARK. (LAT 35 58 58N LONG 091 20 12W)						
	OCT 04...	1725	80513	80513	12	18.0	335

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

	DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
07074300	- STRAWBERRY RIVER NEAR STRAWBERRY, ARK. (LAT 35 59 19N LONG 091 17 08W)						
	OCT 05...	0855	80513	80513	148		362
07074400	- CURIA CREEK NEAR DOWDY, ARK. (LAT 35 52 15N LONG 091 18 36W)						
	OCT 03...	1710	80513	80513	12	19.0	
07074450	- DOTA CREEK NEAR NEWARK, ARK. (LAT 35 52 15N LONG 091 18 36W)						
	OCT 03...	1515	80513	80513	8.4	19.0	175
07074600	- VILLAGE CREEK AT WALNUT RIDGE, ARK. (LAT 36 04 27N LONG 090 57 44W)						
	OCT 05...	1210	80513	80513	55	14.5	150
07075200	- DEVILS FORK LITTLE RED RIVER NR BROWNSVILLE, AR (LAT 35 38 22N LONG 092 01 57W)						
	OCT 05...	0830	80513	80513	48	17.0	77
07075390	- ARCHEY CREEK AT CLINTON, ARK. (LAT 35 36 15N LONG 092 27 35W)						
	OCT 03...	0950	80513	80513	40	19.5	36
07076510	- BIG CREEK NEAR PANGBURN, ARK. (LAT 35 27 22N LONG 091 50 42W)						
	OCT 07...	1130	80513	80513	14	15.5	44
07077650	- BIG CREEK NEAR JONESBORO, ARK. (LAT 35 51 11N LONG 090 45 00W)						
	OCT 05...	1415	80513	80513	4.8	18.0	300
07188810	- MCKISIC CREEK NEAR BELLA VISTA, ARK. (LAT 36 25 24N LONG 094 13 15W)						
	OCT 04...	1555	80513	80513	7.7		450
07188813	- FORD SPRING NEAR BENTONVILLE, ARK. (LAT 36 25 24N LONG 094 13 15W)						
	OCT 04...	1525	80513	80513	7.5	17.0	327
07194790	- MUDDY FORK ILLINOIS RIVER NEAR SAVOY, ARK. (LAT 36 04 12N LONG 094 20 54W)						
	OCT 04...	1440	80513	80513	2.1	18.0	318
07194800	- ILLINOIS RIVER AT SAVOY, ARK. (LAT 36 04 12N LONG 094 20 54W)						
	OCT 04...	1355	80513	80513	4.2	18.0	
07194830	- ILLINOIS RIVER NEAR PEDRO, ARK. (LAT 36 10 32N LONG 094 23 32W)						
	OCT 04...	1255	80513	80513	24	17.0	269
07194950	- LITTLE OSAGE CREEK NEAR HEALING SPRINGS, ARK. (LAT 36 13 57N LONG 094 16 37W)						
	OCT 04...	1635	80513	80513	23	19.0	148
07195000	- OSAGE CREEK NEAR ELM SPRINGS, ARK. (LAT 36 13 57N LONG 094 16 37W)						
	OCT 04...	1655	80513	80513	65	17.5	365
07195400	- ILLINOIS RIVER NEAR SILOAM SPRINGS, ARK. (LAT 36 13 57N LONG 094 16 37W)						
	OCT 04...	1005	80513	80513	290	--	310
07196950	- EVANSVILLE CREEK AT EVANSVILLE, ARK. (LAT 35 48 20N LONG 094 29 45W)						
	OCT 04...	0840	80513	80513	0.51	14.0	278

ANALYSES OF SAMPLES COLLECTED AT LOW-FLOW PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

	DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
07249500	- COVE CREEK NEAR LEE CREEK, ARK. (LAT 35 48 20N LONG 094 29 45W)						
	OCT						
	06...	1040	80513	80513	0.30	16.0	148
07249600	- LEE CREEK AT NATURAL DAM, ARK. (LAT 35 38 46N LONG 094 23 37W)						
	OCT						
	06...	1030	80513	80513	6.8	17.0	145
07249700	- MOUNTAIN FORK CREEK AT NATURAL DAM, ARK. (LAT 35 38 46N LONG 094 23 37W)						
	OCT						
	06...	0955	80513	80513	0.17	16.5	133
07249800	- LEE CREEK NEAR SHORT, OKLA. (LAT 35 33 57N LONG 094 31 53W)						
	OCT						
	03...	1510	80513	80513	5.4	22.5	82
07249900	- LITTLE LEE CREEK NEAR SHORT, OKLA. (LAT 35 33 57N LONG 094 31 53W)						
	OCT						
	03...	1410	80513	80513	0.16	25.0	125
07256200	- HORSEHEAD CREEK AT HARTMAN, ARK. (LAT 35 26 06N LONG 093 36 21W)						
	OCT						
	12...	1420	80513	80513	0.43	16.5	156
07256500	- SPADRA CREEK AT CLARKSVILLE, ARK. (LAT 35 28 06N LONG 093 27 46W)						
	OCT						
	12...	1125	80513	80513	1.8	14.5	64
07256700	- BIG SHOAL CREEK NEAR NEW BLAINE, ARK. (LAT 35 17 30N LONG 093 27 35W)						
	OCT						
	05...	1600	80513	80513	0.08	15.5	51
07257200	- LITTLE PINEY CREEK NEAR LAMAR, ARK. (LAT 35 26 54N LONG 093 20 17W)						
	OCT						
	12...	0935	80513	80513	0.84	14.5	35
07257470	- MIDDLE FORK ILLINOIS BAYOU NEAR HECTOR, ARK. (LAT 35 26 54N LONG 093 20 17W)						
	OCT						
	05...	1155	80513	80513	3.3	17.5	43
07257480	- NORTH FORK ILLINOIS BAYOU NEAR SCOTTSVILLE, ARK (LAT 35 30 00N LONG 093 01 07W)						
	OCT						
	05...	1335	80513	80513	1.4	16.5	42
07260623	- LITTLE CHICKALAH CREEK AT CHICKALAH, ARK. (LAT 35 09 53N LONG 093 17 09W)						
	OCT						
	06...	1530	80513	80513	0.09	18.5	60
07260673	- WEST FORK POINT REMOVE CR NR HATTIEVILLE, ARK. (LAT 35 19 25N LONG 092 52 22W)						
	OCT						
	05...	0945	80513	80513	56	17.0	36
	25...	1145	80513	80513	11	14.0	43
07261200	- EAST FORK CADRON CREEK NEAR ENOLA, ARK. (LAT 35 13 06N LONG 092 16 44W)						
	OCT						
	03...	1215	80513	80513	1.6	21.0	87
07263420	- LITTLE MAUMELLE RIVER AT PINNACLE, ARK. (LAT 34 50 15N LONG 092 29 48W)						
	OCT						
	03...	1500	80513	80513	8.8	20.5	51
	25...	1515	80513	80513	4.3	15.0	54
07263600	- FOURCHE CREEK AT LITTLE ROCK, ARK. (LAT 34 43 01N LONG 092 15 28W)						
	OCT						
	11...	1040	80513	80513	7.5	18.0	126
07341690	- BOIS D'ARC CREEK NEAR HOPE, ARK. (LAT 33 39 08N LONG 093 39 07W)						
	OCT						
	04...	1315	80513	80513	1.0	23.0	121

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

	DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
07342150	- MANIECE BAYOU NEAR CANFIELD, ARK. (LAT 33 11 42N LONG 093 41 07W)						
	OCT 06...	1035	80513	80513	3.7	16.5	434
07344300	- DAYS CREEK SOUTHEAST OF TEXARKANA, ARK. (LAT 33 11 42N LONG 093 41 07W)						
	OCT 04...	0900	80513	80513	12	22.0	435
07356500	- SOUTH FORK OUACHITA RIVER AT MOUNT IDA, ARK. (LAT 34 33 37N LONG 093 38 09W)						
	OCT 14...	1215	80513	80513	4.5	15.0	185
07357710	- GLAZYPEAU CREEK AT MOUNTAIN PINE, ARK. (LAT 34 34 18N LONG 093 09 33W)						
	OCT 13...	1620	80513	80513	4.1	15.5	156
07357800	- MAZARN CREEK NEAR PEARCY, ARK. (LAT 34 27 00N LONG 093 18 30W)						
	OCT 13...	1825	80513	80513	9.4	15.0	117
07358010	- FOURCHE A'LOUPE CREEK NEAR HOT SPRINGS, ARK. (LAT 34 23 00N LONG 093 07 57W)						
	OCT 13...	0935	80513	80513	0.52	13.5	41
07358700	- GULPHA CREEK NEAR HOT SPRINGS, ARK. (LAT 34 28 16N LONG 092 59 09W)						
	OCT 13...	1145	80513	80513	4.0	14.5	98
07359565	- TENMILE CREEK NEAR CENTRAL, ARK. (LAT 34 16 02N LONG 092 51 08W)						
	OCT 11...	1450	80513	80513	0.70	14.0	13
07359600	- CADDO RIVER AT CADDO GAP, ARK. (LAT 34 23 50N LONG 093 37 18W)						
	OCT 14...	0955	80513	80513	32	14.0	145
07360100	- L'EAU FRAIS CREEK AT JOAN, ARK. (LAT 34 06 27N LONG 092 55 52W)						
	OCT 11...	1635	80513	80513	5.7	14.5	21
07360160	- CYPRESS CREEK AT MANNING, ARK. (LAT 34 01 23N LONG 092 48 07W)						
	OCT 06...	1130	80513	80513	3.2	14.0	23
07360800	- MUDDY FORK CREEK NEAR MURFREESBORO, ARK. (LAT 34 05 00N LONG 093 45 07W)						
	OCT 05...	1540	80513	80513	0.25	20.5	760
07361025	- PRAIRIE CREEK NEAR MURFREESBORO, ARK. (LAT 34 05 00N LONG 093 45 07W)						
	OCT 05...	1440	80513	80513	0.21	19.5	135
07361150	- NORTH FORK OZAN CREEK ABOVE MCCASKILL, ARK. (LAT 33 56 23N LONG 093 45 38W)						
	OCT 05...	0925	80513	80513	0.76	16.5	44
07361200	- OZAN CREEK NEAR MCCASKILL, ARK. (LAT 33 52 55N LONG 093 35 59W)						
	OCT 04...	1655	80513	80513	1.4	20.0	131
07361540	- WOLF CREEK NEAR ANTOINE, ARK. (LAT 34 01 11N LONG 093 26 15W)						
	OCT 05...	1325	80513	80513	3.2	19.5	64
07361629	- TERRE ROUGE CREEK NORTHEAST OF HOPE, ARK. (LAT 33 43 22N LONG 093 32 28W)						
	OCT 04...	1520	80513	80513	0.69	18.5	117
07361650	- TERRE ROUGE CREEK NEAR PRESCOTT, ARK. (LAT 33 46 46N LONG 093 14 10W)						
	OCT 06...	1455	80513	80513	1.8	17.0	162

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
07361800 - TERRE NOIRE CREEK NEAR GURDON, ARK. (LAT 33 55 02N LONG 093 02 08W)						
OCT 03...	1135	80513	80513	2.6	22.5	238
07361847 - TULIP CREEK EAST OF PINE GROVE, ARK. (LAT 33 52 35N LONG 092 44 39W)						
OCT 06...	1000	80513	80513	4.6	15.0	29
07362600 - ALUM FORK AT CROWS, ARK. (LAT 34 36 56N LONG 092 44 55W)						
OCT 07...	1205	80513	80513	8.7	16.5	121
07362700 - MIDDLE FORK AT CROWS, ARK. (LAT 34 36 54N LONG 092 45 44W)						
OCT 07...	1020	80513	80513	13	16.0	166
07362800 - SOUTH FORK NEAR HOT SPRINGS, ARK. (LAT 34 35 10N LONG 092 58 11W)						
OCT 13...	1415	80513	80513	2.0	16.0	103
07362820 - SOUTH FORK SALINE RIVER AT NANCE, ARK. (LAT 34 33 17N LONG 092 45 48W)						
OCT 07...	0835	80513	80513	19	16.5	118
07362900 - NORTH FORK NEAR BENTON, ARK. (LAT 34 36 18N LONG 092 37 07W)						
OCT 03...	1825	80513	80513	28	21.0	100
07363097 - FRANCOIS CREEK NORTH OF POYEN, ARK. (LAT 34 36 18N LONG 092 37 07W)						
OCT 04...	1200	80513	80513	3.3	17.5	53
07363110 - BIG CREEK AT POYEN, ARK. (LAT 34 18 52N LONG 092 38 25W)						
OCT 04...	1035	80513	80513	5.2	17.5	100
07363160 - SALINE RIVER NEAR LEOLA, ARK. (LAT 34 12 37N LONG 092 32 52W)						
OCT 11...	1900	80513	80513	73	18.0	125
07363276 - HURRICANE CREEK NEAR ICO, ARK. (LAT 34 27 05N LONG 092 22 8W)						
OCT 04...	1530	80513	80513	6.7	18.0	1650
07364003 - SALINE RIVER SOUTHEAST OF WARREN, ARK. (LAT 33 34 57N LONG 092 01 32W)						
OCT 04...	1240	80513	80513	41	22.0	108
07364060 - BAYOU LAPILE AT STRONG, ARK. (LAT 33 06 53N LONG 092 20 47W)						
OCT 05...	0830	80513	80513	5.1	16.5	1720
07364600 - BAYOU DE L'OUTRE NEAR EL DORADO, ARK. (LAT 33 06 53N LONG 092 20 47W)						
OCT 04...	0740	9827	9827	--	16.0	--
05...	1000	80513	80513	28	17.0	1650
07366100 - LITTLE CORNIE BAYOU NEAR JUNCTION CITY, ARK. (LAT 33 02 10N LONG 092 42 25W)						
OCT 05...	1115	80513	80513	5.0	17.0	390

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected less than monthly.

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, ARK.
(LAT 36 06 10 LONG 094 00 25)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT									
05.	0855	80513	80513	0.70	--	245	--	15.0	--
JAN									
03.	1130	80513	80020	--	0.0	--	--	--	--
03.	1135	80513	80020	--	1.00	123	7.55	8.5	12.4
MAY									
01.	1250	80513	80020	--	0.0	--	--	--	--
01.	1255	80513	80020	--	1.00	153	7.83	18.5	11.0
AUG									
07.	1540	80513	80020	--	0.0	--	--	--	--
07.	1545	80513	80020	--	1.00	214	7.82	28.0	7.5

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
03.	1130	0.61	15	--	--	--	--	--
03.	1135	--	--	5	5.1	0.3	48	16
MAY								
01.	1250	>0.61	K200	--	--	--	--	--
01.	1255	--	--	<5	1.6	1.5	71	25
AUG								
07.	1540	>0.61	66	--	--	--	--	--
07.	1545	--	--	<5	1.4	1.8	94	33

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
03.	1135	1.9	66	0.980	0.020	<0.020	0.200	<0.100
MAY								
01.	1255	2.0	62	0.310	0.020	<0.010	1.20	<0.100
AUG								
07.	1545	2.7	94	0.020	0.020	<0.010	2.60	0.500

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, ARK.
(LAT 36 06 14 LONG 094 00 26)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
03...	1220	80513	80020	0.0	--	--	--	--
03...	1221	80513	80020	3.00	--	--	--	--
03...	1225	80513	81213	21.0	96	7.49	5.5	12.1
MAY								
01...	1325	80513	80020	0.0	--	--	--	--
01...	1326	80513	80020	3.00	--	--	--	--
01...	1330	80513	81213	20.0	164	7.15	15.5	3.9
AUG								
07...	1430	80513	80020	0.0	--	--	--	--
07...	1431	80513	80020	3.00	--	--	--	--
07...	1435	80513	81213	20.0	161	7.02	25.5	1.1

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
03...	1220	0.30	71	--	--	--	--	--
03...	1225	--	--	30	27	0.2	39	13
MAY								
01...	1325	1.10	5	--	--	--	--	--
01...	1330	--	--	<5	3.7	1.4	67	24
AUG								
07...	1430	1.20	1	--	--	--	--	--
07...	1435	--	--	5	8.3	1.9	66	23

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
03...	1221	--	--	--	--	--	0.900	<0.100
03...	1225	1.6	60	0.560	0.060	0.030	--	--
MAY								
01...	1326	--	--	--	--	--	4.80	0.300
01...	1330	1.8	58	0.450	0.030	<0.010	--	--
AUG								
07...	1431	--	--	--	--	--	7.00	0.500
07...	1435	2.1	54	<0.020	0.030	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, ARK.
(LAT 36 16 03 LONG 093 56 35)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
03...	1315	80513	80020	0.0	--	--	--	--
03...	1320	80513	80020	2.00	141	7.57	7.5	12.3
MAY								
01...	1410	80513	80020	0.0	--	--	--	--
01...	1415	80513	80020	1.00	212	8.02	18.5	9.7
AUG								
07...	1340	80513	80020	0.0	--	--	--	--
07...	1345	80513	80020	1.00	276	7.25	25.5	8.1

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
03...	1315	0.90	20	--	--	--	--	--
03...	1320	--	--	5	5.6	0.2	62	22
MAY								
01...	1410	>0.61	48	--	--	--	--	--
01...	1415	--	--	<5	2.3	2.4	97	36
AUG								
07...	1340	>0.61	K490	--	--	--	--	--
07...	1345	--	--	<5	3.4	1.3	120	44

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
03...	1320	1.6	98	0.960	0.040	0.020	0.400	<0.100
MAY								
01...	1415	1.7	94	0.770	0.030	<0.010	8.70	1.10
AUG								
07...	1345	1.9	116	0.640	<0.020	0.010	3.50	0.400

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARK.
(LAT 36 15 3[illegible], LONG 094 04 09)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
04...	0810	80513	80020	0.0	--	--	--	--	1.10
04...	0811	80513	80020	3.00	--	--	--	--	--
04...	0815	80513	81213	16.0	163	7.72	7.0	11.1	--
04...	0820	80513	81213	64.0	157	7.63	7.0	10.3	--
MAY									
02...	0845	80513	80020	0.0	--	--	--	--	1.50
02...	0846	80513	80020	3.00	--	--	--	--	--
02...	0850	80513	81213	18.0	113	8.73	18.5	9.6	--
02...	0855	80513	81213	72.0	101	7.58	8.0	7.2	--
AUG									
08...	0850	80513	80020	0.0	--	--	--	--	2.60
08...	0851	80513	80020	3.00	--	--	--	--	--
08...	0855	80513	81213	16.0	134	8.04	29.0	6.8	--
08...	0900	80513	81213	64.0	147	7.17	12.0	0.4	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
04...	0810	1	--	--	--	--	--	--	--
04...	0815	--	<5	3.9	0.5	68	24	1.9	56
04...	0820	--	5	7.2	0.5	65	23	1.9	54
MAY									
02...	0845	5	--	--	--	--	--	--	--
02...	0850	--	<5	3.0	2.3	48	17	1.4	46
02...	0855	--	10	13	1.2	43	15	1.3	38
AUG									
08...	0850	1	--	--	--	--	--	--	--
08...	0855	--	<5	1.2	1.4	54	19	1.6	46
08...	0900	--	40	30	1.6	57	20	1.7	54

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JAN									
04...	0815	0.510	0.030	<0.020	100	<1	<10	1	190
04...	0820	0.560	0.050	0.020	200	<1	<10	1	260
MAY									
02...	0850	0.350	0.020	<0.010	60	<1	<10	3	140
02...	0855	0.800	0.030	0.010	200	<1	<10	1	380
AUG									
08...	0855	<0.020	0.080	<0.010	20	<1	<10	1	40
08...	0900	0.280	0.070	0.030	400	2	<10	1	1100

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARK.--CONTINUED
(LAT 36 15 31 LONG 094 04 09)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
04...	0811	--	--	--	--	--	4.50	0.100
04...	0815	<5	60	0.10	<1	<10	--	--
04...	0820	<5	80	<0.10	2	<10	--	--
MAY								
02...	0846	--	--	--	--	--	1.00	<0.100
02...	0850	<5	30	<0.10	3	<10	--	--
02...	0855	<5	160	0.20	4	<10	--	--
AUG								
08...	0851	--	--	--	--	--	2.70	0.300
08...	0855	<1	20	<0.10	1	<10	--	--
08...	0900	<1	2400	<0.10	2	<10	--	--

07049230 BEAVER LAKE AT MONTE NE, ARK.
(LAT 36 16 56 LONG 094 04 30)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
04...	0740	80513	80020	0.0	--	--	--	--
04...	0745	80513	80020	3.00	161	7.72	8.0	12.5
MAY								
02...	0830	80513	80020	0.0	--	--	--	--
02...	0831	80513	80020	3.00	--	--	--	--
02...	0835	80513	81213	4.00	140	8.48	17.5	10.7
AUG								
08...	0830	80513	80020	0.0	--	--	--	--
08...	0831	80513	80020	3.00	--	--	--	--
08...	0835	80513	81213	6.00	144	8.40	26.5	8.2

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
04...	0740	1.20	3	--	--	--	--	--
04...	0745	--	--	<5	2.2	0.5	64	23
MAY								
02...	0830	1.30	0	--	--	--	--	--
02...	0835	--	--	<5	2.6	2.6	61	22
AUG								
08...	0830	1.80	4	--	--	--	--	--
08...	0835	--	--	<5	1.4	1.5	59	21

07049230 BEAVER LAKE AT MONTE NE, ARK.--CONTINUED
(LAT 36 16 56 LONG 094 04 30)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
04...	0745	1.6	102	0.260	0.030	<0.020	3.70	<0.100
MAY								
02...	0831	--	--	--	--	--	4.50	<0.100
02...	0835	1.4	50	0.460	0.030	<0.010	--	--
AUG								
08...	0831	--	--	--	--	--	4.00	0.400
08...	0835	1.6	52	0.030	<0.020	<0.010	--	--

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, ARK.
(LAT 36 19 57 LONG 094 01 08)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
04...	1000	80513	80020	0.0	--	--	--	--	1.20
04...	1001	80513	80020	3.00	--	--	--	--	--
04...	1005	80513	81213	24.0	133	7.86	7.5	11.0	--
04...	1110	80513	81213	96.0	135	7.77	7.5	10.6	--
MAY									
02...	0950	80513	80020	0.0	--	--	--	--	2.80
02...	0951	80513	80020	3.00	--	--	--	--	--
02...	0955	80513	81213	24.0	109	7.95	15.0	9.0	--
02...	1000	80513	81213	96.0	105	7.51	7.0	7.8	--
AUG									
08...	0950	80513	80020	0.0	--	--	--	--	3.30
08...	0951	80513	80020	3.00	--	--	--	--	--
08...	0955	80513	81213	24.0	131	8.48	26.5	7.5	--
08...	1000	80513	81213	96.0	123	7.25	9.0	0.6	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
04...	1000	7	--	--	--	--	--	--	--
04...	1005	--	<5	2.9	0.2	59	21	1.6	54
04...	1110	--	<5	3.6	0.3	57	20	1.6	52
MAY									
02...	0950	0	--	--	--	--	--	--	--
02...	0955	--	<5	1.5	1.7	48	17	1.4	36
02...	1000	--	20	15	1.4	43	15	1.4	36
AUG									
08...	0950	0	--	--	--	--	--	--	--
08...	0955	--	--	0.89	1.3	54	19	1.6	50
08...	1000	--	40	14	1.3	49	17	1.5	40

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, ARK.--CONTINUED
(LAT 36 19 57 LONG 094 01 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JAN									
04...	1005	0.220	0.020	<0.020	100	<1	<10	2	170
04...	1110	0.220	0.040	<0.020	100	<1	<10	3	250
MAY									
02...	0955	0.460	0.020	<0.010	100	<1	<10	2	130
02...	1000	0.690	0.040	0.020	300	<1	<10	2	390
AUG									
08...	0955	<0.020	<0.020	0.010	30	<1	<10	1	50
08...	1000	0.680	0.030	<0.010	--	--	--	--	--

DATE	TIME	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
04...	1001	--	--	--	--	--	1.30	<0.100
04...	1005	<5	60	<0.10	4	<10	--	--
04...	1110	5	60	1.3	3	<10	--	--
MAY								
02...	0951	--	--	--	--	--	1.10	<0.100
02...	0955	<5	20	<0.10	1	<10	--	--
02...	1000	<5	90	<0.10	2	<10	--	--
AUG								
08...	0951	--	--	--	--	--	2.00	0.200
08...	0955	<1	20	<0.10	<1	<10	--	--

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, ARK.
(LAT 36 20 48 LONG 094 04 57)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
04...	0945	80513	80020	0.0	--	--	--	--
04...	0950	80513	80020	2.00	307	7.61	8.5	11.0
MAY								
02...	1030	80513	80020	0.0	--	--	--	--
02...	1031	80513	80020	3.00	--	--	--	--
02...	1035	80513	81213	4.00	132	8.41	17.5	10.3
AUG								
08...	1030	80513	80020	0.0	--	--	--	--
08...	1035	80513	80020	3.00	138	8.48	26.5	8.2

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, ARK.--CONTINUED
(LAT 36 20 48 LONG 094 04 57)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
04...	0945	0.90	9	--	--	--	--	--
04...	0950	--	--	<5	0.60	0.5	130	51
MAY								
02...	1030	0.88	<3	--	--	--	--	--
02...	1035	--	--	<5	4.4	2.3	59	21
AUG								
08 ..	1030	1.50	2	--	--	--	--	--
08...	1035	--	--	<5	1.1	1.4	57	20

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
04...	0950	1.8	122	1.20	0.020	<0.020	0.700	<0.100
MAY								
02...	1031	--	--	--	--	--	5.90	<0.100
02...	1035	1.5	56	0.510	0.030	<0.010	--	--
AUG								
08...	1035	1.6	42	<0.020	<0.020	<0.010	2.30	0.200

07049590 BEAVER LAKE NEAR AVOCA, ARK.
(LAT 36 22 10 LONG 094 03 38)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
04...	0925	80513	80020	0.0	--	--	--	--	1.20
04...	0926	80513	80020	3.00	--	--	--	--	--
04...	0930	80513	81213	4.00	244	7.70	7.0	11.8	--
MAY									
02...	1015	80513	80020	0.0	--	--	--	--	1.20
02...	1016	80513	80020	3.00	--	--	--	--	--
02...	1020	80513	81213	5.00	116	8.13	17.0	9.6	--
AUG									
08...	1015	80513	80020	0.0	--	--	--	--	2.20
08...	1016	80513	80020	3.00	--	--	--	--	--
08...	1020	80513	81213	5.00	135	8.63	26.5	8.4	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
04...	0925	1	--	--	--	--	--	--	--
04...	0930	--	<5	1.9	0.7	110	42	1.6	62
MAY									
02...	1015	2	--	--	--	--	--	--	--
02...	1020	--	<5	3.7	1.9	51	18	1.4	42
AUG									
08...	1015	1	--	--	--	--	--	--	--
08...	1020	--	<5	1.2	1.2	57	20	1.6	48

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, ARK.--CONTINUED
(LAT 36 22 10 LONG 094 03 38)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
JAN									
04...	0930	1.30	0.030	<0.020	200	<1	<10	2	130
MAY									
02...	1020	0.460	0.040	<0.010	100	<1	<10	2	180
AUG									
08...	1020	<0.020	<0.020	<0.010	20	<1	<10	1	50

DATE	TIME	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
04...	0926	--	--	--	--	--	2.50	<0.100
04...	0930	<5	80	0.20	<1	10	--	--
MAY								
02...	1016	--	--	--	--	--	2.00	<0.100
02...	1020	<5	20	<0.10	4	<10	--	--
AUG								
08...	1016	--	--	--	--	--	2.80	0.200
08...	1020	<1	20	<0.10	<1	<10	--	--

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO.
(LAT 36 31 22 LONG 093 43 26)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
05...	0800	80513	80020	0.0	--	--	--	--
05...	0801	80513	80020	3.00	--	--	--	--
05...	0805	80513	81213	10.0	224	8.11	7.0	12.0
05...	0810	80513	81213	40.0	241	8.07	6.5	11.1
MAY								
02...	1345	80513	80020	0.0	--	--	--	--
02...	1346	80513	80020	3.00	--	--	--	--
02...	1350	80513	81213	11.0	160	8.59	16.5	10.8
02...	1355	80513	81213	44.0	135	8.10	9.5	10.7
AUG								
09...	1100	80513	80020	0.0	--	--	--	--
09...	1101	80513	80020	3.00	--	--	--	--
09...	1105	80513	81213	10.0	192	8.55	27.0	9.4
09...	1110	80513	81213	40.0	174	7.43	18.0	6.1

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO.--CONTINUED
(LAT 36 31 22 LONG 093 43 26)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
05...	0800	1.80	K3	--	--	--	--	--
05...	0805	--	--	<5	1.7	1.0	110	31
05...	0810	--	--	<5	2.0	0.8	120	33
MAY								
02...	1345	4.00	0	--	--	--	--	--
02...	1350	--	--	<5	0.80	1.3	76	25
02...	1355	--	--	<5	0.50	0.8	63	22
AUG								
09...	1100	2.30	0	--	--	--	--	--
09...	1105	--	--	<5	0.81	2.1	93	27
09...	1110	--	--	5	6.1	1.7	79	25

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
05...	0801	--	--	--	--	--	5.10	0.200
05...	0805	7.6	106	0.200	<0.020	<0.010	--	--
05...	0810	8.7	108	0.210	<0.020	<0.010	--	--
MAY								
02...	1346	--	--	--	--	--	0.600	<0.100
02...	1350	3.2	74	0.300	<0.020	<0.010	--	--
02...	1355	2.0	50	0.270	<0.020	<0.010	--	--
AUG								
09...	1101	--	--	--	--	--	4.60	0.900
09...	1105	6.1	92	<0.020	<0.020	<0.010	--	--
09...	1110	4.0	64	0.270	<0.020	<0.010	--	--

07050510 TABLE ROCK LAKE (KINGS RIVER) NEAR CARR LANE, MO.
(LAT 36 30 08 LONG 093 36 00)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
05...	0825	80513	80020	0.0	--	--	--	--
05...	0830	80513	81213	3.00	232	7.32	7.0	11.6
05...	0835	80513	81213	13.0	235	7.30	7.0	11.8
MAY								
03...	0925	80513	80020	0.0	--	--	--	--
03...	0930	80513	81213	3.00	242	8.25	18.5	8.1
03...	0935	80513	81213	10.0	244	8.20	18.0	7.8
AUG								
09...	1450	80513	80020	0.0	--	--	--	--
09...	1455	80513	81213	3.00	322	7.50	25.5	2.1
09...	1500	80513	81213	14.0	307	8.24	27.5	9.9

07050510 TABLE ROCK LAKE (KINGS RIVER) NEAR CARR LANE, MO.--CONTINUED
(LAT 36 30 08 LONG 093 36 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
05...	0825	1.50	60	--	--	--	--	--
05...	0830	--	--	<5	2.4	0.8	110	32
05...	0835	--	--	5	2.7	0.8	110	32
MAY								
03...	0925	1.50	7	--	--	--	--	--
03...	0930	--	--	<5	3.1	1.3	120	35
03...	0935	--	--	<5	1.5	1.1	120	35
AUG								
09...	1450	0.76	0	--	--	--	--	--
09...	1455	--	--	<5	2.6	2.2	150	42
09...	1500	--	--	5	7.9	1.8	150	42

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
05...	0830	8.3	88	0.800	0.040	0.040	0.700	<0.100
05...	0835	8.5	106	0.800	0.030	0.030	--	--
MAY								
03...	0930	7.6	110	0.190	0.090	0.050	6.50	0.300
03...	0935	7.7	108	0.200	0.100	0.060	--	--
AUG								
09...	1455	12	150	<0.020	0.120	0.090	5.80	0.600
09...	1500	12	146	<0.020	0.150	0.120	--	--

07050530 TABLE ROCK LAKE NEAR LAMPE, MO.
(LAT 36 34 20 LONG 093 31 25)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
05...	0920	80513	80020	0.0	--	--	--	--
05...	0921	80513	80020	3.00	--	--	--	--
05...	0925	80513	81213	28.0	192	7.76	8.5	10.1
05...	0930	80513	81213	112	208	7.80	8.0	10.2
MAY								
03...	1100	80513	80020	0.0	--	--	--	--
03...	1101	80513	80020	3.00	--	--	--	--
03...	1105	80513	81213	28.0	173	8.23	12.5	10.1
03...	1110	80513	81213	112	187	7.77	6.5	8.4
AUG								
09...	1640	80513	80020	0.0	--	--	--	--
09...	1641	80513	80020	3.00	--	--	--	--
09...	1645	80513	81213	29.0	201	7.86	22.5	6.8
09...	1650	80513	81213	116	165	7.54	9.0	4.2

07050530 TABLE ROCK LAKE NEAR LAMPE, MO.--CONTINUED
(LAT 36 34 20 LONG 093 31 25)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
05...	0920	2.90	0	--	--	--	--	--
05...	0925	--	--	<5	1.1	1.0	92	28
05...	0930	--	--	<5	1.9	1.4	95	28
MAY								
03...	1100	4.50	1	--	--	--	--	--
03...	1105	--	--	<5	0.40	1.0	86	26
03...	1110	--	--	<5	1.6	0.9	90	27
AUG								
09...	1640	4.00	0	--	--	--	--	--
09...	1645	--	--	<5	0.50	1.4	92	28
09...	1650	--	--	5	9.3	1.3	82	26

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
05...	0921	--	--	--	--	--	2.10	<0.100
05...	0925	5.4	140	0.180	<0.020	<0.010	--	--
05...	0930	6.2	80	0.160	<0.020	<0.010	--	--
MAY								
03...	1101	--	--	--	--	--	0.800	<0.100
03...	1105	5.0	82	0.300	0.040	<0.010	--	--
03...	1110	5.6	82	0.420	0.030	0.010	--	--
AUG								
09...	1641	--	--	--	--	--	1.40	0.100
09...	1645	5.3	84	0.120	<0.020	0.010	--	--
09...	1650	4.1	74	0.470	<0.020	<0.010	--	--

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO.
(LAT 36 43 24 LONG 093 29 35)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
05...	1130	80513	80020	0.0	--	--	--	--
05...	1131	80513	80020	3.00	--	--	--	--
05...	1135	80513	81213	8.00	345	8.14	7.5	12.3
05...	1140	80513	81213	32.0	347	8.14	7.0	11.8
MAY								
03...	0820	80513	80020	0.0	--	--	--	--
03...	0821	80513	80020	3.00	--	--	--	--
03...	0825	80513	81213	10.0	309	8.89	19.0	10.4
03...	0830	80513	81213	39.0	323	7.85	12.0	4.5
AUG								
09...	0925	80513	80020	0.0	--	--	--	--
09...	0926	80513	80020	3.00	--	--	--	--
09...	0930	80513	81213	9.00	258	8.27	27.0	9.3
09...	0935	80513	81213	36.0	375	7.27	18.5	0.4

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO.--CONTINUED
(LAT 36 43 24 LONG 093 29 35)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
05...	1130	1.20	11	--	--	--	--	--
05...	1135	--	--	<5	4.3	0.6	160	53
05...	1140	--	--	<5	2.7	0.8	160	53
MAY								
03...	0820	1.50	0	--	--	--	--	--
03...	0825	--	--	<5	0.60	2.6	140	47
03...	0830	--	--	<5	2.2	1.5	150	52
AUG								
09...	0925	1.20	0	--	--	--	--	--
09...	0930	--	--	<5	2.5	3.9	98	29
09...	0935	--	--	20	53	2.9	160	53

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
05...	1131	--	--	--	--	--	0.800	<0.100
05...	1135	6.8	142	1.50	0.120	0.100	--	--
05...	1140	6.8	140	1.50	0.140	0.100	--	--
MAY								
03...	0821	--	--	--	--	--	15.0	1.30
03...	0825	5.9	134	0.600	0.100	0.040	--	--
03...	0830	5.9	136	1.00	0.130	0.080	--	--
AUG								
09...	0926	--	--	--	--	--	34.0	4.50
09...	0930	6.1	90	<0.020	0.090	0.030	--	--
09...	0935	6.5	88	<0.020	0.600	0.320	--	--

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO.
(LAT 36 38 23 LONG 093 29 27)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
05...	1025	80513	80020	0.0	--	--	--	--
05...	1026	80513	80020	3.00	--	--	--	--
05...	1030	80513	81213	28.0	246	7.90	8.5	10.5
05...	1035	80513	81213	112	304	7.97	7.5	9.8
MAY								
03...	1030	80513	80020	0.0	--	--	--	--
03...	1031	80513	80020	3.00	--	--	--	--
03...	1035	80513	81213	30.0	222	8.68	13.0	10.1
03...	1040	80513	81213	120	287	7.83	7.5	6.5
AUG								
09...	1600	80513	80020	--	--	--	--	--
09...	1601	80513	80020	3.00	--	--	--	--
09...	1605	80513	81213	29.0	237	7.75	24.0	3.7
09...	1610	80513	81213	116	296	7.51	10.0	0.8

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO.--CONTINUED
(LAT 36 38 23 LONG 093 29 27)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
05...	1025	2.90	0	--	--	--	--	--
05...	1030	--	--	<5	1.1	0.8	110	34
05...	1035	--	--	5	4.2	1.0	130	43
MAY								
03...	1030	2.90	1	--	--	--	--	--
03...	1035	--	--	<5	0.50	0.9	100	33
03...	1040	--	--	<5	0.80	0.7	140	45
AUG								
09...	1600	3.70	0	--	--	--	--	--
09...	1605	--	--	<5	0.54	1.9	98	30
09...	1610	--	--	5	2.3	1.5	140	46

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
05...	1026	--	--	--	--	--	5.20	<0.100
05...	1030	5.4	96	0.320	0.020	<0.010	--	--
05...	1035	6.2	118	0.590	0.050	0.030	--	--
MAY								
03...	1031	--	--	--	--	--	4.30	<0.100
03...	1035	5.4	94	0.530	0.030	<0.010	--	--
03...	1040	5.8	94	0.670	0.090	0.050	--	--
AUG								
09...	1601	--	--	--	--	--	1.10	<0.100
09...	1605	5.6	96	<0.020	<0.020	0.010	--	--
09...	1610	5.7	128	0.720	0.080	0.070	--	--

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO.
(LAT 36 31 39 LONG 093 18 10)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
09...	1400	80513	80020	0.0	--	--	--	--
09...	1401	80513	80020	3.00	--	--	--	--
09...	1405	80513	81213	20.0	212	8.18	8.0	11.2
09...	1410	80513	81213	80.0	218	8.13	8.0	10.6
MAY								
03...	1225	80513	80020	0.0	--	--	--	--
03...	1226	80513	80020	3.00	--	--	--	--
03...	1230	80513	81213	20.0	218	9.00	16.5	10.8
03...	1235	80513	81213	81.0	221	7.93	8.5	7.0
AUG								
09...	1200	80513	80020	0.0	--	--	--	--
09...	1201	80513	80020	3.00	--	--	--	--
09...	1205	80513	81213	21.0	193	8.16	27.0	8.6
09...	1210	80513	81213	84.0	239	7.34	11.5	0.5

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO.--CONTINUED
(LAT 36 31 39 LONG 093 18 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
09...	1400	2.70	0	--	--	--	--	--
09...	1405	--	--	<5	0.90	1.3	100	32
09...	1410	--	--	<5	5.4	1.4	110	36
MAY								
03...	1225	3.20	0	--	--	--	--	--
03...	1230	--	--	<5	1.2	1.5	110	35
03...	1235	--	--	<5	1.0	0.9	110	37
AUG								
09...	1200	2.50	0	--	--	--	--	--
09...	1205	--	--	<5	0.71	1.5	91	28
09...	1210	--	--	<5	1.7	1.6	120	39

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
09...	1401	--	--	--	--	--	2.90	<0.300
09...	1405	5.8	90	0.180	<0.020	<0.010	--	--
09...	1410	4.3	92	0.400	0.020	<0.010	--	--
MAY								
03...	1226	--	--	--	--	--	2.20	<0.100
03...	1230	4.7	98	0.310	0.030	<0.010	--	--
03...	1235	3.6	98	0.810	0.040	<0.010	--	--
AUG								
09...	1201	--	--	--	--	--	1.60	0.100
09...	1205	5.2	86	<0.020	0.020	<0.010	--	--
09...	1210	4.6	86	0.490	<0.020	<0.010	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO.
(LAT 36 38 09 LONG 93 15 52)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
09...	0820	80513	80020	0.0	--	--	--	--
09...	0825	80513	80020	3.00	211	7.99	8.0	11.2
09...	0830	80513	81213	12.0	211	7.98	8.0	10.5
MAY								
04...	0725	80513	80020	0.0	--	--	--	--
04...	0730	80513	81213	3.00	226	7.93	7.5	9.6
04...	0735	80513	81213	10.0	226	7.93	7.5	9.6
AUG								
09...	1545	80513	80020	0.0	--	--	--	--
09...	1546	80513	80020	3.00	--	--	--	--
09...	1550	80513	81213	4.00	219	7.73	12.5	8.5
09...	1555	80513	81213	15.0	217	7.72	11.0	8.1

WHITE RIVER BASIN--CONTINUED

07053700 LAKE TANEYCOMO AT BRANSON, MO.--CONTINUED
(LAT 36 38 09 LONG 93 15 52)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
09...	0820	2.10	2	--	--	--	--	--
09...	0825	--	--	<5	1.3	1.8	100	32
09...	0830	--	--	<5	1.6	1.6	100	32
MAY								
04...	0725	>3.60	14	--	--	--	--	--
04...	0730	--	--	<5	1.1	0.9	110	33
04...	0735	--	--	<5	0.80	1.0	110	34
AUG								
09...	1545	3.70	4	--	--	--	--	--
09...	1550	--	--	<5	6.6	1.3	110	33
09...	1555	--	--	<5	0.83	1.2	110	33

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
09...	0825	5.6	94	0.200	<0.020	<0.010	1.50	<0.100
09...	0830	5.4	98	0.200	<0.020	<0.010	--	--
MAY								
04...	0730	6.1	106	0.470	0.070	0.010	0.900	<0.100
04...	0735	6.2	106	0.470	0.050	0.010	--	--
AUG								
09...	1546	--	--	--	--	--	0.200	<0.100
09...	1550	5.8	92	0.560	<0.020	<0.010	--	--
09...	1555	5.7	92	0.570	<0.020	<0.010	--	--

07053830 BULL SHOALS LAKE AT FORSYTH, MO.
(LAT 36 40 17 LONG 093 07 10)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
10...	0915	80513	80020	0.0	--	--	--	--
10...	0920	80513	80020	3.00	373	8.00	3.0	12.2
MAY								
04...	0805	80513	80020	0.0	--	--	--	--
04...	0810	80513	80020	3.00	233	7.85	8.5	11.1
AUG								
08...	1345	80513	80020	0.0	--	--	--	--
08...	1346	80513	80020	3.00	--	--	--	--
08...	1350	80513	81213	6.00	229	7.27	13.0	7.6

07053830 BULL SHOALS LAKE AT FORSYTH, MO.--CONTINUED
(LAT 36 40 17 LONG 093 07 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
10...	0915	1.80	6	--	--	--	--	--
10...	0920	--	--	<5	1.2	2.2	200	45
MAY								
04...	0805	1.50	9	--	--	--	--	--
04...	0810	--	--	<5	1.1	1.3	110	34
AUG								
08...	1345	1.50	14	--	--	--	--	--
08...	1350	--	--	<5	2.9	1.5	110	34

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
10...	0920	22	196	0.160	<0.020	<0.010	5.20	<0.100
MAY								
04...	0810	6.2	100	0.430	0.030	0.010	0.300	<0.100
AUG								
08...	1346	--	--	--	--	--	1.50	<0.100
08...	1350	5.7	90	0.570	0.020	0.010	--	--

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO.-ARK. STATE LINE
(LAT 36 30 05 LONG 093 03 26)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
09...	1200	80513	80020	0.0	--	--	--	--
09...	1201	80513	80020	3.00	--	--	--	--
09...	1205	80513	81213	7.00	313	8.55	5.5	15.3
MAY								
04...	0940	80513	80020	0.0	--	--	--	--
04...	0941	80513	80020	3.00	--	--	--	--
04...	0945	80513	81213	8.00	273	8.45	16.5	9.7
AUG								
14...	1445	80513	80020	0.0	--	--	--	--
14...	1446	80513	80020	3.00	--	--	--	--
14...	1450	80513	81213	8.00	238	8.26	27.0	7.8

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
09...	1200	0.46	0	--	--	--	--	--
09...	1205	--	--	<5	0.20	2.4	180	45
MAY								
04...	0940	1.40	0	--	--	--	--	--
04...	0945	--	--	<5	3.3	1.5	130	38
AUG								
14...	1445	2.50	0	--	--	--	--	--
14...	1450	--	--	<5	2.5	1.2	110	27

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO.-ARK. STATE LINE--CONTINUED
(LAT 36 30 05 LONG 093 03 26)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
09...	1201	--	--	--	--	--	530	<2.60
09...	1205	16	174	0.100	0.050	<0.010	--	--
MAY								
04...	0941	--	--	--	--	--	7.40	<0.200
04...	0945	9.7	132	0.120	0.040	<0.010	--	--
AUG								
14...	1446	--	--	--	--	--	6.70	0.500
14...	1450	11	88	<0.020	0.020	0.010	--	--

07054460 BULL SHOALS LAKE NEAR BUCK CREEK, ARK.
(LAT 36 29 25 LONG 092 47 15)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
10...	1030	80513	80020	0.0	--	--	--	--
10...	1031	80513	80020	3.00	--	--	--	--
10...	1035	80513	81213	26.0	238	8.22	8.0	11.1
10...	1040	80513	81213	104	245	8.12	8.0	10
MAY								
09...	1400	80513	80020	0.0	--	--	--	--
09...	1401	80513	80020	3.00	--	--	--	--
09...	1405	80513	81213	26.0	261	8.41	16.0	11.3
09...	1410	80513	81213	104	254	7.71	8.5	8.7
AUG								
14...	1615	80513	80020	0.0	--	--	--	--
14...	1616	80513	80020	3.00	--	--	--	--
14...	1620	80513	81213	29.0	263	8.02	23.5	7.3
14...	1625	80513	81213	116	263	7.42	10.0	0.8

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
10...	1030	2.90	0	--	--	--	--	--
10...	1035	--	--	<5	0.70	1.3	120	33
10...	1040	--	--	<5	1.6	1.3	120	32
MAY								
09...	1400	4.50	0	--	--	--	--	--
09...	1405	--	--	<5	0.60	1.1	130	36
09...	1410	--	--	<5	0.80	0.8	120	36
AUG								
14...	1615	4.70	0	--	--	--	--	--
14...	1620	--	--	<5	0.46	0.9	130	32
14...	1625	--	--	5	22	1.1	130	38

WHITE RIVER BASIN--CONTINUED

07054460 BULL SHOALS LAKE NEAR BUCK CREEK, ARK.--CONTINUED
(LAT 36 29 25 LONG 092 47 15)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
10...	1031	--	--	--	--	--	1.40	<0.100
10...	1035	9.3	106	0.240	<0.020	<0.010	--	--
10...	1040	10	114	0.260	<0.020	<0.010	--	--
MAY								
09...	1401	--	--	--	--	--	2.30	<0.100
09...	1405	9.1	130	0.120	<0.020	0.020	--	--
09...	1410	8.4	110	0.330	<0.020	0.020	--	--
AUG								
14...	1616	--	--	--	--	--	0.600	<0.100
14...	1620	11	126	<0.020	<0.020	0.010	--	--
14...	1625	8.5	116	0.370	0.060	0.020	--	--

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN									
11.	0930	80513	80020	0.0	242	8.1	8.5	10.3	3.50
11.	0931	80513	80020	3.00	243	8.1	8.5	10.1	--
11.	0932	80513	81213	9.00	243	8.1	8.5	10.0	--
11.	0933	80513	80020	10.0	243	8.1	8.5	10	--
11.	0934	80513	80020	20.0	243	8.1	8.5	9.9	--
11.	0935	80513	80020	30.0	244	8.1	8.5	9.8	--
11.	0936	80513	81213	36.0	244	8.1	8.5	9.7	--
11.	0937	80513	80020	40.0	244	8.1	8.5	9.7	--
11.	0938	80513	80020	45.0	244	8.1	8.5	9.7	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
11.	0930	1	--	--	--	--	--	--
11.	0932	--	<5	0.40	1.5	77	120	32
11.	0936	--	<5	0.70	1.1	46	120	32

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
11.	0931	--	--	--	--	--	2.00	<0.100
11.	0932	8.6	116	0.200	0.020	0.010	--	--
11.	0936	8.6	116	0.200	<0.020	0.010	--	--

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAY									
09.	1005	80513	80020	0.0	256	8.5	18.0	10.5	3.50
09.	1006	80513	80020	3.00	256	8.5	18.0	10.5	--
09.	1007	80513	80020	10.0	255	8.5	18.0	10.4	--
09.	1008	80513	81213	12.0	256	8.5	17.5	10.5	--
09.	1009	80513	80020	20.0	257	8.5	17.5	10.5	--
09.	1010	80513	80020	30.0	258	8.4	17.0	10.0	--
09.	1011	80513	80020	34.0	259	8.3	16.0	9.7	--
09.	1012	80513	80020	36.0	259	8.1	15.5	9.2	--
09.	1013	80513	80020	40.0	260	8.0	14.5	8.9	--
09.	1014	80513	80020	43.0	257	7.9	13.5	9.1	--
09.	1015	80513	80020	45.0	257	7.9	12.5	9.0	--
09.	1016	80513	81213	48.0	259	7.8	12.0	8.2	--
09.	1017	80513	80020	50.0	258	7.8	12.0	7.9	--
09.	1018	80513	80020	60.0	261	7.6	11.0	6.1	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
MAY								
09.	1005	0	--	--	--	--	--	--
09.	1008	--	<5	0.10	1.5	21	120	34
09.	1016	--	<5	0.30	1.0	18	120	35

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY								
09.	1006	--	--	--	--	--	2.90	<0.100
09.	1008	9.2	116	0.120	<0.020	0.020	--	--
09.	1016	9.1	120	0.180	<0.020	0.020	--	--

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
AUG									
15.	1045	80513	80020	0.0	245	8.4	27.0	8.6	3.50
15.	1046	80513	80020	3.00	245	8.4	27.0	8.4	--
15.	1047	80513	80020	10.0	246	8.3	27.0	8.0	--
15.	1048	80513	81213	14.0	247	8.3	27.0	7.8	--
15.	1049	80513	80020	20.0	246	8.3	27.0	7.6	--
15.	1050	80513	80020	28.0	255	8.2	25.5	7.8	--
15.	1051	80513	80020	29.0	263	8.1	23.5	8.5	--
15.	1052	80513	80020	30.0	264	8.1	23.0	8.5	--
15.	1053	80513	80020	32.0	266	7.7	21.5	5.7	--
15.	1054	80513	80020	35.0	269	7.6	20.0	3.7	--
15.	1055	80513	80020	37.0	270	7.5	19.5	3.0	--
15.	1056	80513	80020	40.0	273	7.4	18.5	1.6	--
15.	1057	80513	80020	44.0	273	7.4	18.0	0.8	--
15.	1058	80513	80020	48.0	273	7.4	17.0	0.3	--
15.	1059	80513	80020	50.0	274	7.4	16.5	0.2	--
15.	1100	80513	81213	56.0	273	7.4	16.5	0.1	--
15.	1101	80513	80020	60.0	273	7.4	15.5	0.1	--
15.	1102	80513	80020	70.0	277	7.3	14.5	0.2	--
15.	1103	80513	80020	80.0	295	7.0	13.0	0.1	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
AUG								
15.	1045	K750	--	--	--	--	--	--
15.	1048	--	<5	0.31	0.5	<10	120	30
15.	1100	--	5	0.88	1.0	<10	130	3[illegible]

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
15.	1046	--	--	--	--	--	0.600	<0.100
15.	1048	12	112	<0.020	<0.020	0.010	--	--
15.	1100	9.5	122	0.140	0.020	0.010	--	--

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
11...	0945	80513	80020	0.0	243	8.1	9.0	10.3
11...	0946	80513	80020	3.00	244	8.1	9.0	10.0
11...	0947	80513	80020	10.0	243	8.0	9.0	9.9
11...	0948	80513	81213	11.0	243	8.1	9.0	9.8
11...	0949	80513	80020	20.0	243	8.1	9.0	9.8
11...	0950	80513	80020	30.0	244	8.1	9.0	9.7
11...	0951	80513	80020	40.0	245	8.1	9.0	9.7
11...	0952	80513	81213	44.0	245	8.1	9.0	9.7
11...	0953	80513	80020	50.0	245	8.1	9.0	9.7
11...	0955	80513	80020	55.0	245	8.1	9.0	9.7

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
11...	0945	3.60	0	--	--	--	--	--
11...	0948	--	--	<5	0.40	1.6	120	32
11...	0952	--	--	<5	0.50	1.6	110	32

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	0946	--	--	--	--	--	1.60	<0.100
11...	0948	8.5	116	0.200	<0.020	0.010	--	--
11...	0952	8.5	116	0.200	0.020	0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
09...	1100	80513	80020	0.0	255	8.6	18.0	11.7
09...	1101	80513	80020	3.00	255	8.6	18.0	10.8
09...	1102	80513	80020	10.0	256	8.5	18.0	10.6
09...	1103	80513	81213	12.0	256	8.5	18.0	10.3
09...	1104	80513	80020	20.0	256	8.5	17.5	10.5
09...	1105	80513	80020	30.0	256	8.5	17.5	10.6
09...	1106	80513	80020	33.0	258	8.4	16.5	9.9
09...	1107	80513	80020	40.0	260	8.2	15.5	9.3
09...	1108	80513	80020	42.0	259	8.1	14.5	8.9
09...	1109	80513	81213	46.0	257	8.0	13.5	9.3
09...	1110	80513	80020	50.0	256	7.9	12.0	8.5
09...	1111	80513	80020	57.0	258	7.8	11.5	7.9

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
MAY								
09...	1100	3.60	0	--	--	--	--	--
09...	1103	--	--	<5	0.40	1.4	120	34
09...	1109	--	--	<5	1.6	0.9	120	34

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
09...	1101	--	--	--	--	--	2.40	<0.100
09...	1103	9.2	110	0.120	<0.020	0.020	--	--
09...	1109	9.1	110	0.200	<0.020	0.020	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG								
15...	1015	80513	80020	0.0	246	8.4	27.0	8.8
15...	1016	80513	80020	3.00	246	8.4	27.0	8.7
15...	1017	80513	80020	10.0	245	8.4	27.0	8.5
15...	1018	80513	81213	12.0	246	8.4	26.5	8.5
15...	1019	80513	80020	20.0	247	8.4	26.5	8.3
15...	1020	80513	80020	27.0	252	8.3	25.5	7.4
15...	1021	80513	80020	28.0	258	8.1	24.0	7.8
15...	1022	80513	80020	30.0	264	8.1	23.0	8.7
15...	1023	80513	80020	32.0	265	8.1	22.0	8.5
15...	1024	80513	80020	33.0	269	7.8	21.0	5.9
15...	1025	80513	80020	36.0	269	7.6	20.0	4.3
15...	1026	80513	80020	38.0	272	7.6	19.0	3.7
15...	1027	80513	80020	40.0	272	7.5	18.5	2.6
15...	1028	80513	80020	45.0	274	7.5	17.5	2.0
15...	1029	80513	81213	48.0	275	7.4	16.5	0.9
15...	1030	80513	80020	50.0	273	7.4	16.5	0.8
15...	1031	80513	80020	55.0	272	7.4	15.5	0.6
15...	1032	80513	80020	60.0	272	7.4	15.0	0.2

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
AUG								
15...	1015	5.00	K350	--	--	--	--	--
15...	1018	--	--	<5	0.62	0.4	120	30
15...	1029	--	--	<5	0.47	0.5	130	38

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
15...	1016	--	--	--	--	--	0.900	<0.100
15...	1018	11	100	<0.020	<0.020	0.010	--	--
15...	1029	9.6	130	0.220	<0.020	0.010	--	--

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
11.	0820	80513	80020	0.0	244	7.9	9.0	9.6	3.80
11.	0821	80513	80020	3.00	244	8.0	9.0	9.5	--
11.	0822	80513	80020	10.0	244	8.0	9.0	9.4	--
11.	0823	80513	80020	20.0	244	8.0	9.0	9.4	--
11.	0825	80513	81213	28.0	244	8.0	9.0	9.4	--
11.	0826	80513	80020	30.0	244	8.0	9.0	9.4	--
11.	0827	80513	80020	40.0	244	8.0	9.0	9.3	--
11.	0828	80513	80020	50.0	244	8.0	9.0	9.3	--
11.	0829	80513	80020	60.0	245	8.0	9.0	9.2	--
11.	0830	80513	81213	70.0	245	8.0	9.0	9.3	--
11.	0831	80513	80020	80.0	245	8.0	9.0	9.3	--
11.	0832	80513	80020	90.0	247	8.0	9.0	9.6	--
11.	0833	80513	80020	100	245	8.0	9.0	9.6	--
11.	0834	80513	80020	110	245	8.0	9.0	9.6	--
11.	0835	80513	81213	112	243	8.0	9.0	9.5	--
11.	0836	80513	80020	120	244	8.0	9.0	9.6	--
11.	0837	80513	80020	130	248	8.0	8.5	9.6	--
11.	0838	80513	80020	140	248	8.0	8.5	9.4	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
11.	0820	0	--	--	--	--	--	--
11.	0825	--	<5	0.60	1.3	23	120	32
11.	0830	--	<5	0.50	--	52	110	31
11.	0835	--	<5	0.50	1.4	52	110	31

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11.	0821	--	--	--	--	--	1.30	<0.100
11.	0825	8.7	116	0.200	<0.020	0.010	--	--
11.	0830	8.5	--	0.200	0.020	0.010	--	--
11.	0835	8.5	116	0.200	0.020	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAY											
09...	1130	80513	80020	0.0	258	8.5	18.0	10.7	4.40	0	--
09...	1131	80513	80020	3.00	258	8.5	18.0	10.7	--	--	--
09...	1132	80513	80020	10.0	259	8.6	18.0	10.5	--	--	--
09...	1133	80513	80020	20.0	258	8.5	18.0	10.5	--	--	--
09...	1134	80513	81213	30.0	259	8.5	17.5	10.5	--	--	<5
09...	1135	80513	80020	37.0	259	8.3	16.0	10	--	--	--
09...	1136	80513	80020	40.0	260	8.2	14.0	9.8	--	--	--
09...	1137	80513	80020	45.0	256	8.1	13.5	10.0	--	--	--
09...	1138	80513	80020	50.0	256	8.0	12.5	10.0	--	--	--
00...	1139	80513	80020	60.0	257	8.0	11.0	9.8	--	--	--
09...	1140	80513	80020	70.0	258	9.0	10.5	8.3	--	--	--
09...	1141	80513	80020	80.0	256	8.7	9.0	8.0	--	--	--
09...	1142	80513	80020	90.0	257	8.4	8.0	7.5	--	--	--
09...	1143	80513	80020	100	258	7.9	8.0	7.2	--	--	--
09...	1144	80513	80020	110	258	7.7	8.0	6.9	--	--	--
09...	1145	80513	81213	120	258	7.6	8.0	6.9	--	--	<5
09...	1146	80513	80020	130	260	7.6	8.0	6.8	--	--	--
09...	1147	80513	80020	140	262	7.6	8.0	6.8	--	--	--
09...	1148	80513	80020	150	264	7.6	8.0	9.8	--	--	--

DATE	TIME	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY											
09...	1131	--	--	--	--	--	--	--	--	3.30	<0.100
09...	1134	0.40	<10	130	34	10	0.120	<0.020	0.020	--	--
09...	1145	0.80	13	130	35	10	0.350	<0.020	0.030	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
AUG									
15.	0945	80513	80020	0.0	247	8.4	26.5	8.8	5.50
15.	0946	80513	80020	3.00	247	8.4	26.5	8.7	--
15.	0947	80513	80020	10.0	247	8.4	26.5	8.6	--
15.	0948	80513	80020	20.0	247	8.4	26.5	8.5	--
15.	0949	80513	80020	27.0	250	8.3	25.5	8.6	--
15.	0950	80513	80020	28.0	256	8.2	24.5	8.8	--
15.	0951	80513	80020	29.0	262	8.2	23.0	9.0	--
15.	0952	80513	81213	30.0	267	8.1	22.0	8.7	--
15.	0953	80513	80020	31.0	267	8.1	21.5	8.5	--
15.	0954	80513	80020	35.0	270	7.8	20.0	6.3	--
15.	0955	80513	80020	37.0	274	7.6	19.5	4.6	--
15.	0956	80513	80020	40.0	276	7.5	18.5	3.2	--
15.	0957	80513	80020	45.0	274	7.5	17.5	2.4	--
15.	0958	80513	80020	50.0	269	7.5	16.5	2.6	--
15.	0959	80513	80020	55.0	271	7.4	15.5	1.8	--
15.	1000	80513	80020	60.0	270	7.5	14.5	2.2	--
15.	1001	80513	80020	70.0	266	7.5	13.5	3.4	--
15.	1002	80513	80020	80.0	265	7.5	12.5	3.3	--
15.	1003	80513	80020	90.0	261	7.6	11.5	3.5	--
15.	1004	80513	80020	100	261	7.5	11.0	3.0	--
15.	1005	80513	80020	110	264	7.5	10.5	1.6	--
15.	1006	80513	81213	120	264	7.5	10.5	1.3	--
15.	1007	80513	80020	130	261	7.5	10.5	1.3	--
15.	1008	80513	80020	140	265	7.5	10.5	1.4	--
15.	1009	80513	80020	150	262	7.5	10.5	1.2	--

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG								
15.	0945	K71	--	--	--	--	--	--
15.	0952	--	5	0.73	0.6	<10	130	32
15.	1006	--	20	2.1	0.7	<10	130	37

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
15.	0946	--	--	--	--	--	0.600	<0.100
15.	0952	11	118	<0.020	<0.020	0.010	--	--
15.	1006	9.6	126	0.330	<0.020	0.020	--	--

07054478 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO.
(LAT 36 34 40 LONG 092 38 47)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
11...	1120	80513	80020	0.0	--	--	--	--
11...	1121	80513	80020	3.00	--	--	--	--
11...	1125	80513	81213	12.0	315	8.35	7.0	12.2
MAY								
09...	1300	80513	80020	0.0	--	--	--	--
09...	1301	80513	80020	3.00	--	--	--	--
09...	1305	80513	81213	30.0	339	8.39	18.0	10.6
AUG								
15...	0800	80513	80020	0.0	--	--	--	--
15...	0801	80513	80020	3.00	--	--	--	--
15...	0805	80513	81213	15.0	301	8.11	27.0	8.6

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
11...	1120	1.70	4	--	--	--	--	--
11...	1125	--	--	<5	1.5	0.9	150	36
MAY								
09...	1300	3.10	3	--	--	--	--	--
09...	1305	--	--	<5	1.3	1.6	180	40
AUG								
15...	0800	1.60	3	--	--	--	--	--
15...	0805	--	--	<5	2.2	1.1	150	34

WHITE RIVER BASIN--CONTINUED

07054478 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO.--CONTINUED
(LAT 36 34 40 LONG 092 38 47)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	1121	--	--	--	--	--	3.70	<0.100
11...	1125	15	162	0.170	0.020	0.010	--	--
MAY								
09...	1301	--	--	--	--	--	6.00	<0.100
09...	1305	19	164	0.060	<0.020	0.020	--	--
AUG								
15...	0801	--	--	--	--	--	3.50	0.300
15...	0805	17	148	<0.020	0.020	0.010	--	--

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARK.
(LAT 36 28 30 LONG 092 37 44)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
11...	0950	80513	80020	0.0	--	--	--	--
11...	0951	80513	80020	3.00	--	--	--	--
11...	0955	80513	81213	32.0	255	8.12	9.0	10.4
11...	100C	80513	81213	128	283	8.08	8.0	9.5
MAY								
09...	0930	80513	80020	0.0	--	--	--	--
09...	0931	80513	80020	3.00	--	--	--	--
09...	0935	80513	81213	30.0	263	7.10	18.0	10.3
09...	0940	80513	81213	120	281	6.84	8.5	7.3
AUG								
15...	0920	80513	80020	0.0	--	--	--	--
15...	0921	80513	80020	3.00	--	--	--	--
15...	0925	80513	81213	32.0	277	7.99	21.0	8.4
15...	0930	80513	81213	128	295	7.47	9.5	1.0

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
11...	0950	3.40	0	--	--	--	--	--
11...	0955	--	--	<5	0.40	1.3	120	32
11...	1000	--	--	<5	1.6	1.5	130	34
MAY								
09...	0930	5.20	0	--	--	--	--	--
09...	0935	--	--	<5	0.80	1.1	130	34
09...	0940	--	--	<5	0.30	0.9	140	34
AUG								
15...	0920	6.20	0	--	--	--	--	--
15...	0925	--	--	<5	0.43	0.9	140	35
15...	0930	--	--	10	1.8	0.9	140	38

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARK.--CONTINUED
(LAT 36 28 30 LONG 092 37 44)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	0951	--	--	--	--	--	2.70	<0.100
11...	0955	10	120	0.160	<0.020	0.010	--	--
11...	1000	12	120	0.150	<0.020	0.010	--	--
MAY								
09...	0931	--	--	--	--	--	4.00	<0.100
09...	0935	11	110	0.110	<0.020	0.020	--	--
09...	0940	13	130	0.290	<0.020	0.020	--	--
AUG								
15...	0921	--	--	--	--	--	0.600	<0.100
15...	0925	12	134	<0.020	<0.020	0.010	--	--
15...	0930	12	136	0.320	<0.020	0.010	--	--

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARK.
(LAT 36 23 00 LONG 092 36 58)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
10...	1245	80513	80020	0.0	--	--	--	--
10...	1246	80513	80020	3.00	--	--	--	--
10...	1250	80513	81213	26.0	250	8.22	9.0	11.0
10...	1255	80513	81213	104	251	8.22	9.0	10
MAY								
08...	1155	80513	80020	0.0	--	--	--	--
08...	1156	80513	80020	3.00	--	--	--	--
08...	1200	80513	81213	27.0	260	8.28	16.5	10.9
08...	1205	80513	81213	107	261	7.73	8.0	7.9
AUG								
15...	1405	80513	80020	0.0	--	--	--	--
15...	1406	80513	80020	3.00	--	--	--	--
15...	1410	80513	81213	27.0	252	8.35	24.0	10.1
15...	1415	80513	81213	108	261	7.55	10.5	2.8

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
10...	1245	4.70	0	--	--	--	--	--
10...	1250	--	--	<5	0.30	1.0	130	34
10...	1255	--	--	<5	0.30	1.3	120	34
MAY								
08...	1155	4.70	0	--	--	--	--	--
08...	1200	--	--	<5	0.10	1.0	130	35
08...	1205	--	--	<5	3.8	1.1	130	34
AUG								
15...	1405	5.80	0	--	--	--	--	--
15...	1410	--	--	<5	0.36	0.8	130	32
15...	1415	--	--	<5	3.8	0.7	130	36

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARK.--CONTINUED
(LAT 36 23 00 LONG 092 36 58)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
10...	1246	--	--	--	--	--	1.10	<0.100
10...	1250	10	120	0.160	<0.020	<0.020	--	--
10...	1255	9.6	116	0.160	<0.020	<0.010	--	--
MAY								
08...	1156	--	--	--	--	--	2.70	<0.100
08...	1200	10	114	0.150	<0.020	0.020	--	--
08...	1205	10	124	0.200	0.020	0.030	--	--
AUG								
15...	1406	--	--	--	--	--	0.300	<0.100
15...	1410	11	116	<0.020	<0.020	0.010	--	--
15...	1415	10	116	0.290	<0.020	0.010	--	--

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARK.
(LAT 36 23 32 LONG 092 32 10)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
10...	1220	80513	80020	0.0	--	--	--	--
10...	1221	80513	80020	3.00	--	--	--	--
10...	1225	80513	81213	32.0	250	8.03	9.0	10.0
10...	1230	80513	81213	128	252	8.02	9.0	9.4
MAY								
09...	0805	80513	80020	0.0	--	--	--	--
09...	0806	80513	80020	3.00	--	--	--	--
09...	0810	80513	81213	30.0	261	7.48	16.0	11.9
09...	0815	80513	81213	120	263	7.07	8.0	8.9
AUG								
15...	1345	80513	80020	0.0	--	--	--	--
15...	1346	80513	80020	3.00	--	--	--	--
15...	1350	80513	81213	32.0	254	8.46	22.5	11.1
15...	1355	80513	81213	128	267	7.61	9.5	1.9

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
10...	1220	4.90	0	--	--	--	--	--
10...	1225	--	--	<5	0.30	1.2	120	34
10...	1230	--	--	<5	0.70	1.3	120	34
MAY								
09...	0805	4.80	0	--	--	--	--	--
09...	0810	--	--	<5	0.20	0.9	130	34
09...	0815	--	--	<5	0.20	0.9	130	34
AUG								
15...	1345	5.80	0	--	--	--	--	--
15...	1350	--	--	<5	0.72	0.5	130	33
15...	1355	--	--	10	2.3	0.7	140	36

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARK.--CONTINUED
(LAT 36 23 32 LONG 092 32 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
10...	1221	--	--	--	--	--	0.900	<0.100
10...	1225	9.3	114	0.180	<0.020	<0.010	--	--
10...	1230	9.5	124	0.180	<0.020	<0.010	--	--
MAY								
09...	0806	--	--	--	--	--	4.30	<0.100
09...	0810	10	128	0.140	<0.020	0.030	--	--
09...	0815	10	122	0.250	<0.020	0.020	--	--
AUG								
15...	1346	--	--	--	--	--	0.200	<0.100
15...	1350	11	118	<0.020	<0.020	0.010	--	--
15...	1355	11	120	0.310	<0.020	0.010	--	--

07058500 NORTH FORK RIVER AT TECUMSEH, MO.
(LAT 36 35 12 LONG 092 17 18)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
11...	1220	80513	80020	0.0	--	--	--	--
11...	1221	80513	80020	3.00	--	--	--	--
11...	1225	80513	81213	6.00	334	8.22	7.0	12.4
11...	1230	80513	81213	10.0	334	8.22	7.0	12.4
MAY								
10...	0900	80513	80020	0.0	--	--	--	--
10...	0905	80513	80020	3.00	374	8.10	15.5	10.9
10...	0910	80513	81213	10.0	376	8.12	15.5	9.0
AUG								
16...	1325	80513	80020	0.0	--	--	--	--
16...	1326	80513	81213	2.00	375	8.13	21.5	9.8
16...	1330	80513	80020	3.00	--	--	--	--
16...	1335	80513	81213	7.00	376	8.16	21.5	9.7

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
11...	1220	1.40	16	--	--	--	--	--
11...	1225	--	--	<5	0.50	1.2	170	36
11...	1230	--	--	<5	0.20	1.2	170	35
MAY								
10...	0900	1.30	30	--	--	--	--	--
10...	0905	--	--	<5	1.1	0.7	210	44
10...	0910	--	--	<5	2.7	0.7	210	43
AUG								
16...	1325	2.00	36	--	--	--	--	--
16...	1326	--	--	5	1.2	0.9	210	42
16...	1335	--	--	<5	0.93	0.8	210	43

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO.--CONTINUED
(LAT 36 35 12 LONG 092 17 18)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	1221	--	--	--	--	--	0.400	<0.100
11...	1225	19	170	0.600	<0.020	0.010	--	--
11...	1230	19	170	0.600	<0.020	0.010	--	--
MAY								
10...	0905	24	194	0.460	<0.020	<0.010	0.600	<0.100
10...	0910	25	192	0.420	0.020	<0.010	--	--
AUG								
16...	1326	25	202	0.420	<0.020	<0.010	--	--
16...	1330	--	--	--	--	--	0.800	<0.100
16...	1335	25	200	0.420	<0.020	<0.010	--	--

07058600 NORFORK LAKE NEAR UDALL, MO.
(LAT 36 32 53 LONG 092 16 55)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
11...	1330	80513	80020	0.0	--	--	--	--
11...	1331	80513	80020	3.00	--	--	--	--
11...	1335	80513	81213	8.00	471	8.20	6.5	12.4
MAY								
10...	0840	80513	80020	0.0	--	--	--	--
10...	0841	80513	80020	3.00	--	--	--	--
10...	0845	80513	81213	7.00	451	6.68	16.5	9.7
AUG								
16...	1345	80513	80020	0.0	--	--	--	--
16...	1346	80513	80020	3.00	--	--	--	--
16...	1350	80513	81213	8.00	329	8.49	28.0	8.7

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
11...	1330	4.60	0	--	--	--	--	--
11...	1335	--	--	<5	0.10	1.3	250	51
MAY								
10...	0840	1.60	15	--	--	--	--	--
10...	0845	--	--	<5	1.2	0.8	250	52
AUG								
16...	1345	1.00	0	--	--	--	--	--
16...	1350	--	--	<5	2.3	1.5	210	39

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MO.--CONTINUED
(LAT 36 32 53 LONG 092 16 55)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	1331	--	--	--	--	--	0.100	<0.100
11...	1335	30	260	0.350	<0.020	0.010	--	--
MAY								
10...	0841	--	--	--	--	--	0.300	<0.100
10...	0845	30	238	0.260	<0.020	<0.010	--	--
AUG								
16...	1346	--	--	--	--	--	6.80	0.600
16...	1350	27	190	0.030	0.020	0.010	--	--

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARK.
(LAT 36 24 07 LONG 092 19 15)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
11...	1515	80513	80020	0.0	--	--	--	--
11...	1516	80513	80020	3.00	--	--	--	--
11...	1520	80513	81213	11.0	309	8.34	7.5	11.6
11...	1525	80513	81213	44.0	313	8.31	7.0	11.2
MAY								
10...	0730	80513	80020	0.0	--	--	--	--
10...	0731	80513	80020	3.00	--	--	--	--
10...	0735	80513	81213	11.0	331	7.77	18.0	10.2
10...	0740	80513	81213	44.0	325	7.53	12.0	6.7
AUG								
16...	1125	80513	80020	0.0	--	--	--	--
16...	1126	80513	80020	3.00	--	--	--	--
16...	1130	80513	81213	11.0	280	8.55	27.5	9.2
16...	1135	80513	81213	44.0	340	7.37	20.0	0.7

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
11...	1515	1.50	3	--	--	--	--	--
11...	1520	--	--	<5	2.7	1.7	160	31
11...	1525	--	--	<5	2.9	1.4	160	31
MAY								
10...	0730	3.20	0	--	--	--	--	--
10...	0735	--	--	<5	0.50	1.1	190	38
10...	0740	--	--	<5	1.0	0.7	170	37
AUG								
16...	1125	3.90	0	--	--	--	--	--
16...	1130	--	--	<5	1.1	1.0	150	27
16...	1135	--	--	5	4.1	1.2	180	37

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARK.--CONTINUED
(LAT 36 24 07 LONG 092 19 15)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	1516	--	--	--	--	--	2.70	<0.100
11...	1520	19	160	0.140	<0.020	0.010	--	--
11...	1525	19	160	0.120	0.020	0.010	--	--
MAY								
10...	0731	--	--	--	--	--	2.00	<0.100
10...	0735	22	172	0.220	0.020	<0.010	--	--
10...	0740	20	164	0.360	<0.020	<0.010	--	--
AUG								
16...	1126	--	--	--	--	--	1.50	0.100
16...	1130	21	144	0.020	<0.020	<0.010	--	--
16...	1135	22	178	0.020	0.020	0.010	--	--

07058995 NORFORK LAKE AT HENDERSON, ARK.
(LAT 36 22 30 LONG 092 14 37)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
11...	1430	80513	80020	0.0	--	--	--	--
11...	1431	80513	80020	3.00	--	--	--	--
11...	1435	80513	81213	26.0	305	8.26	8.5	11.3
11...	1440	80513	81213	104	313	8.24	8.0	10.6
MAY								
10...	1000	80513	80020	0.0	--	--	--	--
10...	1001	80513	80020	3.00	--	--	--	--
10...	1005	80513	81213	25.0	312	8.27	17.0	10.8
10...	1010	80513	81213	100	303	7.63	8.0	7.2
AUG								
16...	1205	80513	80020	0.0	--	--	--	--
16...	1206	80513	80020	3.00	--	--	--	--
16...	1210	80513	81213	26.0	315	8.21	26.5	8.3
16...	1215	80513	81213	104	318	7.47	10.5	0.7

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
11...	1430	2.50	0	--	--	--	--	--
11...	1435	--	--	<5	1.1	1.1	150	30
11...	1440	--	--	<5	2.5	1.2	160	31
MAY								
10...	1000	4.00	0	--	--	--	--	--
10...	1005	--	--	<5	1.2	0.5	170	35
10...	1010	--	--	<5	0.50	1.9	170	36
AUG								
16...	1205	4.70	0	--	--	--	--	--
16...	1210	--	--	<5	0.49	1.0	160	30
16...	1215	--	--	10	3.7	0.7	170	35

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, ARK.--CONTINUED
(LAT 36 22 30 LONG 092 14 37)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	1431	--	--	--	--	--	3.30	<0.100
11...	1435	19	158	0.150	<0.020	<0.010	--	--
11...	1440	19	158	0.210	0.020	0.010	--	--
MAY								
10...	1001	--	--	--	--	--	2.30	<0.100
10...	1005	20	166	0.380	<0.020	<0.010	--	--
10...	1010	20	162	0.200	<0.020	<0.010	--	--
AUG								
16...	1206	--	--	--	--	--	1.20	<0.100
16...	1210	21	48	0.030	<0.020	<0.010	--	--
16...	1215	20	166	0.210	<0.020	<0.010	--	--

07059095 NORFORK LAKE ON FALL CREEK, ARK.
(LAT 36 20 07 LONG 092 17 04)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
11...	1600	80513	80020	0.0	--	--	--	--
11...	1605	80513	80020	3.00	306	8.36	7.5	12.2
MAY								
10...	1020	80513	80020	0.0	--	--	--	--
10...	1021	80513	80020	3.00	--	--	--	--
10...	1025	80513	81213	10.0	315	8.52	18.5	10.4
AUG								
16...	1030	80513	80020	0.0	--	--	--	--
16...	1031	80513	80020	3.00	--	--	--	--
16...	1035	80513	81213	9.00	282	8.44	28.0	8.4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
11...	1600	2.30	0	--	--	--	--	--
11...	1605	--	--	<5	0.90	1.7	150	30
MAY								
10...	1020	2.80	0	--	--	--	--	--
10...	1025	--	--	<5	0.80	1.4	170	34
AUG								
16...	1030	2.00	0	--	--	--	--	--
16...	1035	--	--	<5	0.51	0.8	150	29

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, ARK.--CONTINUED
(LAT 36 20 07 LONG 092 17 04)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
11...	1605	19	158	0.130	0.020	0.010	2.20	<0.100
MAY								
10...	1021	--	--	--	--	--	2.50	<0.100
10...	1025	21	158	0.080	0.020	<0.010	--	--
AUG								
16...	1031	--	--	--	--	--	2.90	0.300
16...	1035	20	152	0.020	<0.020	<0.010	--	--

07059495 NORFORK LAKE NEAR HAND, ARK.
(LAT 36 16 27 LONG 092 12 30)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
12...	0800	80513	80020	0.0	--	--	--	--
12...	0801	80513	80020	3.00	--	--	--	--
12...	0805	80513	81213	27.0	292	8.19	9.0	10.4
12...	0810	80513	81213	108	295	8.20	9.0	10.2
MAY								
10...	1150	80513	80020	0.0	--	--	--	--
10...	1151	80513	80020	3.00	--	--	--	--
10...	1155	80513	81213	27.0	297	8.53	18.0	10.5
10...	1200	80513	81213	108	298	7.88	7.5	8.6
AUG								
16...	0915	80513	80020	0.0	--	--	--	--
16...	0916	80513	80020	3.00	--	--	--	--
16...	0920	80513	81213	27.0	279	8.58	26.5	10.3
16...	0925	80513	81213	108	286	7.67	10.0	3.1

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
12...	0800	23.0	150	--	--	--	--	--
12...	0805	--	--	<5	0.70	1.2	140	28
12...	0810	--	--	<5	1.4	1.2	140	28
MAY								
10...	1150	5.20	0	--	--	--	--	--
10...	1155	--	--	<5	0.40	1.1	160	33
10...	1200	--	--	<5	0.60	0.7	160	33
AUG								
16...	0915	5.80	0	--	--	--	--	--
16...	0920	--	--	<5	0.58	0.6	150	28
16...	0925	--	--	<5	0.54	0.3	160	32

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR MAND, ARK.--CONTINUED
(LAT 36 16 27 LONG 092 12 30)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	0801	--	--	--	--	--	2.40	<0.100
12...	0805	18	136	0.120	<0.020	0.010	--	--
12...	0810	18	136	0.110	0.020	0.010	--	--
MAY								
10...	1151	--	--	--	--	--	1.10	<0.100
10...	1155	19	150	0.100	0.020	0.010	--	--
10...	1200	20	146	0.200	<0.020	<0.010	--	--
AUG								
16...	0916	--	--	--	--	--	0.900	<0.100
16...	0920	19	142	0.030	<0.020	<0.010	--	--
16...	0925	19	152	0.340	<0.020	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07060839 WHITE RIVER ABOVE LOCK AND DAM 3, NEAR ST. JAMES, ARK.
(LAT 35 50 38 LONG 091 51 04)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN								
30...	1405	80513	80020	0.0	59.0	9.5	11.4	754
30...	1406	80513	80020	3.00	59.0	9.5	11.3	754
30...	1407	80513	80020	6.00	59.0	9.5	11.2	754
30...	1408	80513	80020	9.00	59.0	9.0	11.2	754
30...	1409	80513	80020	12.0	59.0	9.0	11.1	754
30...	1410	80513	80020	0.0	176	9.0	11.4	754
30...	1411	80513	80020	3.00	176	9.0	11.2	754
30...	1412	80513	80020	6.00	176	9.0	11.2	754
30...	1413	80513	80020	9.00	176	9.0	11.1	754
30...	1414	80513	80020	12.0	176	9.0	11.1	754
30...	1415	80513	80020	14.0	176	9.0	11.1	754
30...	1416	80513	80020	0.0	293	9.0	11.4	754
30...	1417	80513	80020	3.00	293	9.0	11.2	754
30...	1418	80513	80020	6.00	293	9.0	11.1	754
30...	1419	80513	80020	9.00	293	9.0	11.0	754
30...	1420	80513	80020	12.0	293	9.0	11.0	754
30...	1421	80513	80020	15.0	293	9.0	10.1	754
30...	1422	80513	80020	18.0	293	9.0	10.9	754
MAR								
01...	1200	80513	80020	0.0	--	7.5	13.4	761
01...	1202	80513	80020	6.00	--	7.5	12.8	761
01...	1204	80513	80020	9.00	--	7.5	12.6	761
01...	1206	80513	80020	12.0	--	7.5	12.4	761
01...	1210	80513	80020	14.0	--	7.5	12.2	761
APR								
04...	1459	80513	80020	0.0	--	11.5	10.8	755
04...	1500	80513	80020	3.00	--	11.5	10.6	755
04...	1501	80513	80020	6.00	--	11.5	10.6	755
04...	1503	80513	80020	9.00	--	11.5	10.7	755
04...	1504	80513	80020	12.0	--	12.0	10.7	755
04...	1506	80513	80020	14.0	--	12.0	10.8	755
17...	1323	80513	80020	0.0	--	10.0	10.8	756
17...	1325	80513	80020	3.00	--	10.0	10.8	756
17...	1327	80513	80020	6.00	--	10.0	10.7	756
17...	1329	80513	80020	9.00	--	10.0	10.7	756
17...	1330	80513	80020	11.0	--	10.0	10.7	756
MAY								
31...	1200	80513	80020	0.0	--	19.0	8.4	756
31...	1202	80513	80020	3.00	--	19.0	8.2	756
31...	1203	80513	80020	6.00	--	19.0	8.2	756
31...	1204	80513	80020	9.00	--	19.0	8.2	756
31...	1205	80513	80020	12.0	--	19.0	8.2	756
JUN								
22...	1015	80513	80020	0.0	--	16.0	9.1	755
22...	1017	80513	80020	3.00	--	15.5	9.3	755
22...	1019	80513	80020	6.00	--	15.5	9.5	755
22...	1021	80513	80020	9.00	--	14.5	9.6	755
22...	1023	80513	80020	12.0	--	14.5	9.7	755
22...	1025	80513	80020	15.0	--	14.5	9.7	755
22...	1027	80513	80020	17.0	--	14.5	9.8	755
JUL								
12...	1110	80513	80020	0.0	--	15.0	9.2	760
12...	1112	80513	80020	3.00	--	15.0	9.4	760
12...	1114	80513	80020	6.00	--	15.0	9.5	760
12...	1116	80513	80020	9.00	--	15.0	9.3	760
12...	1118	80513	80020	11.0	--	15.0	9.4	760
AUG								
31...	1900	80513	80020	0.0	--	24.0	8.4	753
31...	1901	80513	80020	2.00	--	23.0	8.4	753
31...	1904	80513	80020	3.00	--	21.0	8.6	753
31...	1906	80513	80020	6.00	--	20.5	8.5	753
31...	1908	80513	80020	9.00	--	20.5	8.3	753
31...	1910	80513	80020	10.0	--	20.5	8.0	753

07060839 WHITE RIVER ABOVE LOCK AND DAM 3, NEAR ST. JAMES, ARK.--CONTINUED
(LAT 35 50 38 LONG 091 51 04)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
SEP							
22...	1230	80513	80020	0.0	19.5	8.8	751
22...	1232	80513	80020	3.00	18.5	8.8	751
22...	1234	80513	80020	6.00	18.0	8.7	751
22...	1236	80513	80020	9.00	18.0	8.7	751
22...	1238	80513	80020	12.0	18.0	8.6	751
22...	1240	80513	80020	13.0	18.0	8.7	751

07060870 WHITE RIVER AT LOCK AND DAM 2, NEAR LOCUST GROVE, ARK.
(LAT 35 44 37 LONG 091 45 54)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
JAN								
30...	1615	80513	80020	0.0	293	9.0	11.6	753
30...	1616	80513	80020	3.00	293	9.0	11.5	753
30...	1617	80513	80020	6.00	293	9.0	11.5	753
30...	1618	80513	80020	9.00	293	9.0	11.5	753
30...	1619	80513	80020	12.0	293	9.0	11.4	753
30...	1620	80513	80020	15.0	293	9.0	11.4	753
30...	1621	80513	80020	17.0	293	9.0	11.4	753
30...	1622	80513	80020	0.0	176	9.5	11.5	753
30...	1623	80513	80020	3.00	176	9.5	11.4	753
30...	1624	80513	80020	6.00	176	9.5	11.3	753
30...	1625	80513	80020	9.00	176	9.0	11.3	753
30...	1626	80513	80020	12.0	176	9.0	11.3	753
30...	1627	80513	80020	0.0	59.0	9.5	11.2	753
30...	1628	80513	80020	3.00	59.0	9.5	11.1	753
30...	1629	80513	80020	5.00	59.0	9.5	11.1	753
MAR								
01...	1030	80513	80020	0.0	--	7.5	13.4	761
01...	1032	80513	80020	3.00	--	7.5	13.1	761
01...	1034	80513	80020	6.00	--	7.5	12.4	751
01...	1036	80513	80020	9.00	--	7.5	12.5	761
APR								
17...	1200	80513	80020	0.0	--	10.0	10.7	756
17...	1202	80513	80020	3.00	--	10.0	10.7	756
17...	1204	80513	80020	6.00	--	10.0	10.7	756
17...	1205	80513	80020	9.00	--	10.0	10.7	756
MAY								
31...	1445	80513	80020	0.0	--	20.0	8.3	756
31...	1447	80513	80020	3.00	--	20.0	8.2	756
31...	1449	80513	80020	6.00	--	20.0	8.1	756
31...	1450	80513	80020	9.00	--	20.0	8.0	756
JUN								
22...	1115	80513	80020	0.0	--	15.5	9.7	755
22...	1120	80513	80020	3.00	--	15.5	10.2	755
22...	1122	80513	80020	6.00	--	15.5	10.3	755
22...	1124	80513	80020	8.00	--	15.5	10.4	755
JUL								
12...	1010	80513	80020	0.0	--	16.5	8.9	760
12...	1012	80513	80020	3.00	--	16.5	8.7	760
12...	1014	80513	80020	6.00	--	16.5	8.9	760
12...	1016	80513	80020	9.00	--	16.5	9.1	760
AUG								
31...	1615	80513	80020	0.0	--	23.0	7.4	753
31...	1617	80513	80020	3.00	--	21.0	7.5	753
31...	1620	80513	80020	6.00	--	21.0	7.9	753
31...	1625	80513	80020	7.00	--	21.0	7.7	753
SEP								
22...	1400	80513	80020	0.0	--	20.5	9.2	750
22...	1403	80513	80020	3.00	--	19.5	8.7	750
22...	1406	80513	80020	6.00	--	19.0	8.3	750
22...	1410	80513	80020	8.00	--	19.0	8.5	750

WHITE RIVER BASIN--CONTINUED

07061000 WHITE RIVER AT BATESVILLE, ARK.
(LAT 35 45 35 LONG 091 38 28)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
JAN								
31...	1320	80513	80020	0.0	333	9.5	11.8	749
31...	1321	80513	80020	3.00	333	9.5	11.5	749
31...	1322	80513	80020	6.00	333	9.5	11.5	749
31...	1323	80513	80020	9.00	333	9.5	11.5	749
31...	1324	80513	80020	11.0	333	9.5	11.5	749
31...	1327	80513	80020	0.0	200	9.0	11.8	749
31...	1328	80513	80020	3.00	200	9.5	11.7	749
31...	1329	80513	80020	6.00	200	9.5	11.6	749
31...	1330	80513	80020	9.00	200	9.5	11.5	749
31...	1331	80513	80020	12.0	200	9.0	11.6	749
31...	1332	80513	80020	15.0	200	9.5	11.5	749
31...	1337	80513	80020	0.0	67.0	9.0	11.6	749
31...	1338	80513	80020	3.00	67.0	9.5	11.5	749
31...	1339	80513	80020	6.00	67.0	9.5	11.4	749
31...	1340	80513	80020	9.00	67.0	9.5	11.4	749
31...	1341	80513	80020	12.0	67.0	9.5	11.3	749
31...	1342	80513	80020	15.0	67.0	9.5	11.3	749
31...	1343	80513	80020	18.0	67.0	9.5	11.3	749
31...	1344	80513	80020	21.0	67.0	9.5	11.2	749
MAR								
01...	0909	80513	80020	0.0	--	8.5	11.1	760
01...	0910	80513	80020	3.00	--	8.5	12.0	760
01...	0912	80513	80020	6.00	--	7.5	12.5	760
01...	0914	80513	80020	9.00	--	7.0	12.5	760
01...	0916	80513	80020	12.0	--	7.0	12.4	760
APR								
04...	1034	80513	80020	0.0	--	11.5	10.7	754
04...	1035	80513	80020	3.00	--	11.5	10.8	754
04...	1036	80513	80020	6.00	--	11.5	10.8	754
04...	1038	80513	80020	9.00	--	11.5	10.8	754
04...	1040	80513	80020	12.0	--	11.5	10.8	754
04...	1042	80513	80020	15.0	--	12.0	10.6	754
04...	1044	80513	80020	18.0	--	12.0	10.4	754
04...	1046	80513	80020	21.0	--	12.0	10.4	754
04...	1048	80513	80020	24.0	--	12.0	10.4	754
17...	1002	80513	80020	0.0	--	10.0	10.4	756
17...	1003	80513	80020	3.00	--	10.0	10.5	756
17...	1004	80513	80020	6.00	--	10.0	10.5	756
17...	1006	80513	80020	9.00	--	10.0	10.5	756
17...	1008	80513	80020	12.0	--	10.0	10.6	756
17...	1010	80513	80020	15.0	--	10.0	10.6	756
17...	1012	80513	80020	18.0	--	10.0	10.6	756
17...	1014	80513	80020	21.0	--	10.0	10.6	756
17...	1015	80513	80020	24.0	--	10.0	10.6	756
MAY								
31...	0905	80513	80020	0.0	--	19.5	8.4	756
31...	0906	80513	80020	3.00	--	19.5	8.2	756
31...	0907	80513	80020	6.00	--	19.5	8.1	756
31...	0908	80513	80020	9.00	--	19.5	7.9	756
31...	0909	80513	80020	12.0	--	19.5	7.9	756
31...	0910	80513	80020	15.0	--	19.0	7.9	756
31...	0912	80513	80020	18.0	--	19.0	8.0	756
31...	0915	80513	80020	21.0	--	19.0	8.0	756
JUN								
22...	1230	80513	80020	0.0	--	17.0	9.1	755
22...	1232	80513	80020	3.00	--	17.0	9.3	755
22...	1234	80513	80020	6.00	--	16.5	9.3	755
22...	1236	80513	80020	9.00	--	16.5	9.2	755
22...	1238	80513	80020	12.0	--	16.5	9.1	755
22...	1240	80513	80020	14.0	--	16.5	9.3	755

WHITE RIVER BASIN--CONTINUED

07061000 WHITE RIVER AT BATESVILLE, ARK.--CONTINUED
(LAT 35 45 35 LONG 091 38 28)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUL							
12...	0905	80513	80020	0.0	19.0	7.5	760
12...	0907	80513	80020	3.00	18.5	7.5	760
12...	0909	80513	80020	6.00	18.0	7.4	760
12...	0910	80513	80020	9.00	18.0	7.5	760
12...	0911	80513	80020	12.0	18.0	7.5	760
12...	0912	80513	80020	15.0	18.0	7.5	760
12...	0914	80513	80020	15.0	18.0	7.5	760
12...	0916	80513	80020	18.0	18.0	7.5	760
12...	0918	80513	80020	20.0	18.0	7.6	760
AUG							
31...	1445	80513	80020	0.0	24.5	8.3	755
31...	1447	80513	80020	3.00	21.5	8.9	755
31...	1449	80513	80020	6.00	20.0	9.0	755
31...	1452	80513	80020	9.00	19.5	9.0	755
31...	1454	80513	80020	12.0	19.5	9.0	755
SEP							
22...	1500	80513	80020	0.0	21.0	8.4	750
22...	1502	80513	80020	3.00	21.0	8.4	750
22...	1505	80513	80020	6.00	20.5	8.4	750
22...	1508	80513	80020	9.00	20.5	8.3	750
22...	1510	80513	80020	12.0	20.0	8.4	750
22...	1512	80513	80020	15.0	20.0	8.4	750
22...	1514	80513	80020	17.0	20.0	8.3	750

07061600 BLACK RIVER BELOW ANNAPOLIS, MO.
(LAT 37 19 30 LONG 090 45 50)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
17.	1045	80513	80020	0.0	--	--	--	--	1.80
17.	1046	80513	80020	3.00	219	7.95	6.5	13.5	--
MAY									
16.	0910	80513	80020	0.0	--	--	--	--	>1.80
16.	0915	80513	80020	3.00	267	7.83	15.5	9.1	--
AUG									
17.	1020	80513	80020	0.0	--	--	--	--	>0.61
17.	1025	80513	80020	1.00	272	7.57	22.0	8.2	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN								
17.	1045	1	--	--	--	--	--	--
17.	1046	--	<5	<0.10	1.6	100	22	12
MAY								
16.	0910	86	--	--	--	--	--	--
16.	0915	--	<5	0.30	1.4	140	30	16
AUG								
17.	1020	110	--	--	--	--	--	--
17.	1025	--	<5	0.14	0.8	140	29	17

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO.--CONTINUED
(LAT 37 19 30 LONG 090 45 50)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
17.	1046	96	0.170	<0.020	<0.010	<5	<0.100	<0.100
MAY								
16.	0915	104	0.060	<0.020	0.010	<5	0.100	<0.100
AUG								
17.	1025	128	0.090	<0.020	<0.010	<1	<0.100	<0.100

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO.
(LAT 37 12 30 LONG 090 46 43)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
17.	1155	80513	80020	0.0	--	--	--	--	0.61
17.	1200	80513	80020	1.00	217	7.94	6.5	13.2	--
MAY									
16.	1200	80513	80020	0.0	--	--	--	--	1.40
16.	1205	80513	80020	3.00	243	8.20	20.0	10.3	--
AUG									
17.	1130	80513	80020	0.0	--	--	--	--	0.58
17.	1135	80513	80020	3.00	267	7.74	24.5	7.9	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN								
17.	1155	0	--	--	--	--	--	--
17.	1200	--	<5	0.10	1.6	100	21	12
MAY								
16.	1200	6	--	--	--	--	--	--
16.	1205	--	<5	7.3	1.7	120	26	14
AUG								
17.	1130	8	--	--	--	--	--	--
17.	1135	--	<5	5.9	1.0	140	28	16

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
17.	1200	104	0.190	<0.020	<0.010	10	0.100	<0.100
MAY								
16.	1205	92	0.050	<0.020	0.010	<5	1.70	0.100
AUG								
17.	1135	128	0.060	<0.020	0.010	1	0.900	<0.100

WHITE RIVER BASIN--CONTINUED

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO.
(LAT 37 09 58 LONG 090 48 43)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
17.	1310	80513	80020	0.0	--	--	--	--	0.61
17.	1315	80513	80020	2.00	235	7.80	8.0	12.2	--
MAY									
16.	1115	80513	80020	0.0	--	--	--	--	0.67
16.	1120	80513	81213	3.00	235	8.23	19.5	10.6	--
AUG									
17.	1345	80513	80020	0.0	--	--	--	--	0.36
17.	1346	80513	81213	2.00	250	7.72	21.5	7.9	--
17.	1350	80513	80020	3.00	--	--	--	--	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN								
17.	1310	0	--	--	--	--	--	--
17.	1315	--	<5	0.10	1.8	120	25	14
MAY								
16.	1115	3	--	--	--	--	--	--
16.	1120	--	<5	1.7	2.2	130	27	14
AUG								
17.	1345	22	--	--	--	--	--	--
17.	1346	--	5	16	1.7	140	28	16

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
17.	1315	112	0.370	<0.020	<0.010	<5	0.200	<0.100
MAY								
16.	1120	100	0.070	0.040	0.010	<5	4.30	0.200
AUG								
17.	1346	124	0.040	0.040	0.010	2	--	--
17.	1350	--	--	--	--	--	2.30	0.200

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO.
(LAT 37 08 34 LONG 090 49 08)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
17.	1245	80513	80020	0.0	--	--	--	--	0.76
17.	1250	80513	80020	2.00	250	7.80	4.5	13.6	--
MAY									
16.	1100	80513	80020	0.0	--	--	--	--	0.85
16.	1105	80513	80020	3.00	240	8.24	20.5	9.8	--
AUG									
17.	1400	80513	80020	0.0	--	--	--	--	0.30
17.	1405	80513	80020	1.00	252	7.97	28.0	8.8	--

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO.--CONTINUED
(LAT 37 08 34 LONG 090 49 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JAN								
17.	1245	0	--	--	--	--	--	--
17.	1250	--	<5	1.4	2.2	130	27	15
MAY								
16.	1100	2	--	--	--	--	--	--
16.	1105	--	<5	2.4	2.0	120	26	14
AUG								
17.	1400	11	--	--	--	--	--	--
17.	1405	--	5	14	0.9	130	27	15

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
17.	1250	140	0.160	<0.020	<0.100	<5	0.300	<0.100
MAY								
16.	1105	88	0.100	0.020	0.010	<5	2.40	<0.100
AUG								
17.	1405	124	<0.020	0.060	0.010	1	10.0	0.900

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.
(LAT 35 37 15 LONG 092 11 16)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
16...	1110	80513	80020	0.0	--	--	--	--
16...	1111	80513	80020	3.00	--	--	--	--
16...	1115	80513	81213	11.0	50	7.28	7.0	12.1
16...	1120	80513	81213	45.0	52	7.16	6.0	11.8
MAY								
11...	1130	80513	80020	0.0	--	--	--	--
11...	1131	80513	80020	3.00	--	--	--	--
11...	1135	80513	81213	12.0	68	6.97	17.5	8.3
11...	1140	80513	81213	48.0	72	6.80	10.5	3.0
AUG								
24...	1010	80513	80020	0.0	--	--	--	--
24...	1011	80513	80020	3.00	--	--	--	--
24...	1015	80513	81213	10.0	56	7.40	28.5	8.5
24...	1020	80513	81213	38.0	101	6.50	19.5	0.9

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.--CONTINUED
(LAT 35 37 15 LONG 092 11 16)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
16...	1110	1.80	2	--	--	--	--	--
16...	1115	--	--	5	3.0	2.8	19	5.8
16...	1120	--	--	10	9.8	2.2	24	7.9
MAY								
11...	1130	1.30	0	--	--	--	--	--
11...	1135	--	--	<5	3.2	1.4	27	8.9
11...	1140	--	--	<5	4.7	1.1	30	10
AUG								
24...	1010	3.60	0	--	--	--	--	--
24...	1015	--	--	<5	0.70	0.9	21	6.6
24...	1020	--	--	40	11	0.6	36	12

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
16...	1111	--	--	--	--	--	0.900	<0.100
16...	1115	1.0	17	0.080	0.020	0.020	--	--
16...	1120	1.0	21	0.030	0.030	0.030	--	--
MAY								
11...	1131	--	--	--	--	--	0.900	<0.100
11...	1135	1.2	24	<0.020	<0.020	0.010	--	--
11...	1140	1.2	24	<0.020	0.020	0.010	--	--
AUG								
24...	1011	--	--	--	--	--	1.30	<0.100
24...	1015	1.1	18	0.020	<0.020	<0.010	--	--
24...	1020	1.4	34	<0.020	0.080	0.030	--	--

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARK.
(LAT 35 36 24 LONG 092 30 14)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
16...	1045	80513	80020	0.0	--	--	--	--
16...	1046	80513	80020	3.00	--	--	--	--
16...	1050	80513	81213	9.00	45	7.18	7.5	11.5
16...	1055	80513	81213	36.0	45	7.04	7.5	11.0
MAY								
11...	1110	80513	80020	0.0	--	--	--	--
11...	1111	80513	80020	3.00	--	--	--	--
11...	1115	80513	81213	12.0	41	7.02	17.5	8.4
11...	1120	80513	81213	48.0	44	6.90	10.5	8.0
AUG								
24...	0945	80513	80020	0.0	--	--	--	--
24...	0946	80513	80020	3.00	--	--	--	--
24...	0950	80513	81213	16.0	45	7.11	28.5	8.2
24...	0955	80513	81213	64.0	65	6.48	10.5	0.7

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARK.--CONTINUED
(LAT 35 36 24 LONG 092 30 14)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
16...	1045	2.00	1	--	--	--	--	--
16...	1050	--	--	5	3.0	3.9	16	4.9
16...	1055	--	--	<5	2.6	3.9	16	4.8
MAY								
11...	1110	0.55	48	--	--	--	--	--
11...	1115	--	--	30	31	2.1	16	4.9
11...	1120	--	--	5	7.5	1.0	16	4.9
AUG								
24...	0945	4.70	0	--	--	--	--	--
24...	0950	--	--	<5	0.40	0.5	17	5.0
24...	0955	--	--	40	15	0.7	22	7.1

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
16...	1046	--	--	--	--	--	1.20	<0.100
16...	1050	1.0	15	0.130	0.020	0.010	--	--
16...	1055	0.90	15	0.130	0.020	0.010	--	--
MAY								
11...	1111	--	--	--	--	--	6.20	0.200
11...	1115	0.90	13	0.050	0.120	0.020	--	--
11...	1120	0.90	13	0.140	0.020	0.010	--	--
AUG								
24...	0946	--	--	--	--	--	0.700	<0.100
24...	0950	1.0	14	<0.020	<0.020	<0.010	--	--
24...	0955	1.1	20	<0.020	0.020	<0.010	--	--

07075490 GREERS FERRY LAKE NEAR CLINTON, ARK.
(LAT 35 35 06 LONG 092 25 32)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
12...	1145	80513	80020	0.0	--	--	--	--
12...	1146	80513	80020	3.00	--	--	--	--
12...	1150	80513	81213	5.00	26	7.77	6.0	13.1
MAY								
11...	0915	80513	80020	0.0	--	--	--	--
11...	0916	80513	80020	3.00	--	--	--	--
11...	0920	80513	81213	5.00	36	7.12	18.0	9.2
AUG								
24...	0749	80513	80020	0.0	--	--	--	--
24...	0750	80513	80020	3.00	--	--	--	--
24...	0755	80513	81213	6.00	40	6.65	29.0	7.3

07075490 GREERS FERRY LAKE NEAR CLINTON, ARK.--CONTINUED
(LAT 35 35 06 LONG 092 25 32)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
12...	1145	1.20	14	--	--	--	--	--
12...	1150	--	--	10	5.0	1.4	9	2.3
MAY								
11...	0915	1.10	24	--	--	--	--	--
11...	0920	--	--	5	3.6	1.5	15	3.8
AUG								
24...	0749	1.70	83	--	--	--	--	--
24...	0755	--	--	5	3.4	1.4	14	3.8

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	1146	--	--	--	--	--	0.200	<0.100
12...	1150	0.80	--	0.040	<0.020	0.010	--	--
MAY								
11...	0916	--	--	--	--	--	3.10	0.200
11...	0920	1.3	25	<0.020	0.020	0.010	--	--
AUG								
24...	0750	--	--	--	--	--	3.80	0.300
24...	0755	1.0	12	<0.020	0.020	<0.010	--	--

07075602 GREERS FERRY LAKE NEAR CHOCTAW, ARK.
(LAT 35 31 27 LONG 092 25 04)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
12...	1205	80513	80020	0.0	--	--	--	--
12...	1206	80513	80020	3.00	--	--	--	--
12...	1210	80513	81213	6.00	30	7.44	6.5	12.4
MAY								
11...	0925	80513	80020	0.0	--	--	--	--
11...	0926	80513	80020	3.00	--	--	--	--
11...	0930	80513	81213	7.00	30	7.29	19.0	9.3
AUG								
24...	0820	80513	80020	0.0	--	--	--	--
24...	0821	80513	80020	3.00	--	--	--	--
24...	0825	80513	81213	5.00	38	6.65	28.5	7.8

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, ARK.--CONTINUED
(LAT 35 31 27 LONG 092 25 04)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
12...	1205	1.20	0	--	--	--	--	--
12...	1210	--	--	5	4.4	1.4	7	1.5
MAY								
11...	0925	0.97	3	--	--	--	--	--
11...	0930	--	--	<5	3.6	1.3	10	2.6
AUG								
24...	0820	2.00	0	--	--	--	--	--
24...	0825	--	--	<5	3.1	1.0	13	3.5

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	1206	--	--	--	--	--	0.200	<0.100
12...	1210	0.90	--	0.180	<0.020	0.010	--	--
MAY								
11...	0926	--	--	--	--	--	2.50	0.200
11...	0930	0.90	9	<0.020	<0.020	0.010	--	--
AUG								
24...	0821	--	--	--	--	--	6.60	0.600
24...	0825	1.0	10	<0.020	0.020	<0.010	--	--

07075638 GREERS FERRY LAKE AT HIGDEN, ARK.
(LAT 35 33 48 LONG 092 11 48)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
16...	1010	80513	80020	0.0	--	--	--	--
16...	1011	80513	80020	3.00	--	--	--	--
16...	1015	80513	81213	22.0	42	6.96	8.0	11.8
16...	1020	80513	81213	88.0	43	6.97	7.5	10.7
MAY								
11...	1045	80513	80020	0.0	--	--	--	--
11...	1046	80513	80020	3.00	--	--	--	--
11...	1050	80513	81213	24.0	40	7.48	16.0	10.3
11...	1055	80513	81213	96.0	36	7.23	7.5	9.3
AUG								
24...	1045	80513	80020	0.0	--	--	--	--
24...	1046	80513	80020	3.00	--	--	--	--
24...	1050	80513	81213	21.0	43	6.95	27.5	8.1
24...	1055	80513	81213	84.0	37	6.49	9.0	4.5

WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, ARK.--CONTINUED
(LAT 35 33 48 LONG 092 11 48)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
16...	1010	1.90	0	--	--	--	--	--
16...	1015	--	--	5	2.0	2.0	15	4.4
16...	1020	--	--	<5	3.0	1.8	15	4.4
MAY								
11...	1045	2.10	2	--	--	--	--	--
11...	1050	--	--	<5	1.8	1.0	15	4.6
11...	1055	--	--	10	7.0	1.0	13	3.8
AUG								
24...	1045	4.70	0	--	--	--	--	--
24...	1050	--	--	<5	0.30	0.3	15	4.6
24...	1055	--	--	10	5.5	0.3	14	4.1

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
16...	1011	--	--	--	--	--	0.800	<0.100
16...	1015	0.90	13	0.120	<0.020	0.010	--	--
16...	1020	0.90	13	0.110	<0.020	0.010	--	--
MAY								
11...	1046	--	--	--	--	--	2.00	<0.100
11...	1050	0.90	12	<0.020	0.120	0.010	--	--
11...	1055	0.90	10	0.130	<0.020	0.020	--	--
AUG								
24...	1046	--	--	--	--	--	0.200	<0.100
24...	1050	0.90	13	<0.020	<0.020	<0.010	--	--
24...	1055	0.90	11	0.180	0.020	<0.010	--	--

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARK.
(LAT 35 30 12 LONG 092 05 32)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
16...	1255	80513	80020	0.0	--	--	--	--
16...	1256	80513	80020	3.00	--	--	--	--
16...	1300	80513	81213	24.0	42	6.94	8.5	11.4
16...	1305	80513	81213	96.0	43	6.85	8.0	10.9
MAY								
15...	1105	80513	80020	0.0	--	--	--	--
15...	1106	80513	80020	3.00	--	--	--	--
15...	1110	80513	81213	24.0	38	6.86	18.0	10.0
15...	1115	80513	81213	96.0	38	7.12	7.5	10.4
AUG								
24...	1345	80513	80020	0.0	--	--	--	--
24...	1346	80513	80020	3.00	--	--	--	--
24...	1350	80513	81213	24.0	40	6.71	27.0	7.7
24...	1355	80513	81213	96.0	39	6.61	8.5	8.1

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARK.--CONTINUED
(LAT 35 30 12 LONG 092 05 32)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
16...	1255	3.40	1	--	--	--	--	--
16...	1300	--	--	<5	0.70	2.2	14	4.2
16...	1305	--	--	<5	0.70	1.6	14	4.3
MAY								
15...	1105	3.60	0	--	--	--	--	--
15...	1110	--	--	<5	1.4	1.4	17	4.8
15...	1115	--	--	5	5.0	1.0	16	4.8
AUG								
24...	1345	3.90	1	--	--	--	--	--
24...	1350	--	--	<5	0.60	0.3	14	4.2
24...	1355	--	--	5	2.9	0.5	15	4.4

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
16...	1256	--	--	--	--	--	0.400	<0.100
16...	1300	0.90	13	0.090	<0.020	0.010	--	--
16...	1305	0.90	13	0.090	<0.020	0.010	--	--
MAY								
15...	1106	--	--	--	--	--	0.500	<0.100
15...	1110	1.2	9	0.030	0.020	0.020	--	--
15...	1115	1.0	9	0.150	<0.020	0.020	--	--
AUG								
24...	1346	--	--	--	--	--	0.200	<0.100
24...	1350	0.90	11	<0.020	<0.020	<0.010	--	--
24...	1355	0.90	9	0.170	<0.020	<0.010	--	--

ARKANSAS RIVER BASIN

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARK.
(LAT 35 05 37 LONG 093 48 35)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
12...	0830	80513	80020	0.0	--	--	--	--
12...	0835	80513	80020	2.00	71	6.79	7.0	12.5
MAY								
10...	1350	80513	80020	0.0	--	--	--	--
10...	1355	80513	80020	3.00	62	6.72	20.0	8.8
AUG								
08...	0800	80513	80020	0.0	--	--	--	--
08...	0805	80513	80020	1.00	86	6.65	26.0	4.9

ARKANSAS RIVER BASIN--CONTINUED

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARK.--CONTINUED
(LAT 35 05 37 LONG 093 48 35)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
12...	0830	0.61	120	--	--	--	--	--
12...	0835	--	--	30	15	1.8	17	3.1
MAY								
10...	1350	0.21	K500	--	--	--	--	--
10...	1355	--	--	40	22	1.8	17	3.0
AUG								
08...	0800	>0.61	22	--	--	--	--	--
08...	0805	--	--	10	12	2.3	24	4.4

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	0835	2.3	12	0.200	0.080	0.060	0.600	<0.100
MAY								
10...	1355	2.2	14	0.100	0.100	0.060	4.30	0.300
AUG								
08...	0805	3.2	22	<0.020	0.060	0.020	9.70	1.50

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARK.
(LAT 35 04 41 LONG 093 49 05)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN								
12...	0730	80513	80020	0.0	--	--	--	--
12...	0731	80513	80020	3.00	--	--	--	--
12...	0735	80513	81213	4.00	28	7.11	7.5	12.7
MAY								
10...	1300	80513	80020	0.0	--	--	--	--
10...	1305	80513	80020	1.00	32	6.75	19.5	9.8
AUG								
08...	0700	80513	80020	0.0	--	--	--	--
08...	0705	80513	80020	1.00	45	6.00	24.0	5.8

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN								
12...	0730	1.10	15	--	--	--	--	--
12...	0735	--	--	20	9.9	1.6	7	1.2
MAY								
10...	1300	>0.61	25	--	--	--	--	--
10...	1305	--	--	20	12	0.9	8	1.4
AUG								
08...	0700	>0.61	30	--	--	--	--	--
08...	0705	--	--	10	3.5	1.6	13	2.2

ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARK.--CONTINUED
(LAT 35 04 41 LONG 093 48 05)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	0731	--	--	--	--	--	<0.100	<0.100
12...	0735	1.0	5	0.020	0.020	0.020	--	--
MAY								
10...	1305	1.1	7	<0.020	0.030	0.030	0.200	<0.100
AUG								
08...	0705	1.8	14	<0.020	0.020	0.010	1.00	<0.100

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARK.
(LAT 35 05 50 LONG 093 48 08)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
12...	0800	80513	80020	0.0	--	--	--	--
12...	0801	80513	81213	2.00	35	6.87	7.5	12.3
12...	0805	80513	80020	3.00	--	--	--	--
12...	0810	80513	81213	6.00	72	6.98	6.5	13.1
MAY								
10...	1325	80513	80020	0.0	--	--	--	--
10...	1326	80513	81213	2.00	66	6.66	20.5	8.1
10...	1330	80513	80020	3.00	--	--	--	--
10...	1335	80513	81213	10.0	49	6.48	19.0	8.4
AUG								
08...	0730	80513	80020	0.0	--	--	--	--
08...	0735	80513	80020	3.00	80	6.37	27.0	4.9
08...	0740	80513	81213	11.0	75	6.13	26.0	0.6

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
12...	0800	1.00	51	--	--	--	--	--
12...	0801	--	--	30	16	1.5	14	2.5
12...	0810	--	--	40	13	1.8	17	3.2
MAY								
10...	1325	0.21	K700	--	--	--	--	--
10...	1326	--	--	50	29	2.1	19	3.6
10...	1335	--	--	40	44	1.4	15	2.8
AUG								
08...	0730	1.10	86	--	--	--	--	--
08...	0735	--	--	20	12	2.3	23	4.3
08...	0740	--	--	20	16	2.4	21	4.1

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARK.--CONTINUED
(LAT 35 05 50 LONG 093 48 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	0801	1.8	9	0.130	0.040	0.040	--	--
12...	0805	--	--	--	--	--	0.300	<0.100
12...	0810	2.3	12	0.200	0.050	0.050	--	--
MAY								
10...	1326	2.4	14	0.140	0.100	0.060	--	--
10...	1330	--	--	--	--	--	4.30	0.300
10...	1335	1.9	12	0.090	0.100	0.050	--	--
AUG								
08...	0735	2.9	24	<0.020	0.040	0.010	6.70	1.00
08...	0740	2.7	22	<0.020	0.070	0.020	--	--

07258800 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, ARK.
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
12...	0900	80513	80020	0.0	--	--	--	--
12...	0905	80513	80020	2.00	88	7.02	8.5	12.3
MAY								
10...	1440	80513	80020	0.0	--	--	--	--
10...	1445	80513	80020	3.00	60	7.13	21.5	10.8
AUG								
07...	1530	80513	80020	0.0	--	--	--	--
07...	1531	80513	81213	2.00	62	6.64	29.5	7.4
07...	1535	80513	80020	3.00	--	--	--	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
12...	0900	0.61	44	--	--	--	--	--
12...	0905	--	--	20	9.4	1.6	24	4.1
MAY								
10...	1440	0.36	15	--	--	--	--	--
10...	1445	--	--	40	14	2.7	17	3.3
AUG								
07...	1530	0.49	4	--	--	--	--	--
07...	1531	--	--	20	13	2.9	18	3.6

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
12...	0905	3.3	15	0.280	0.020	0.020	0.800	<0.100
MAY								
10...	1445	2.1	15	0.020	0.200	0.050	9.10	0.400
AUG								
07...	1531	2.3	18	<0.020	0.050	0.020	--	--
07...	1535	--	--	--	--	--	13.0	2.00

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, ARK.
(LAT 34 55 36 LONG 093 24 36)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
19...	0830	80513	80020	0.0	--	--	--	--
19...	0835	80513	80020	2.00	26	6.26	6.0	12.8
MAY								
18...	0830	80513	80020	0.0	--	--	--	--
18...	0831	80513	80020	3.00	--	--	--	--
18...	0835	80513	81213	6.00	22	3.88	18.0	8.7
AUG								
07...	1235	80513	80020	0.0	--	--	--	--
07...	1240	80513	80020	3.00	41	6.12	29.0	7.0

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
19...	0830	0.61	0	--	--	--	--	--
19...	0835	--	--	30	9.0	1.9	8	1.4
MAY								
18...	0830	<0.30	K2900	--	--	--	--	--
18...	0835	--	400	100	130	3.6	8	1.6
AUG								
07...	1235	1.20	32	--	--	--	--	--
07...	1240	--	--	10	5.4	1.1	12	2.0

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
19...	0835	1.1	8	0.060	0.020	0.020	0.200	<0.100
MAY								
18...	0831	--	--	--	--	--	1.90	0.400
18...	0835	1.0	6	0.060	0.200	0.060	--	--
AUG								
07...	1240	1.8	11	<0.020	0.020	0.010	1.70	0.200

07261880 NIMROD LAKE AT PLAINVIEW, ARK.
(LAT 34 59 03 LONG 093 18 36)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
19...	0800	80513	80020	0.0	--	--	--	--
19...	0805	80513	80020	1.00	51	7.01	5.0	12.7
MAY								
18...	0800	80513	80020	0.0	--	--	--	--
18...	0805	80513	80020	1.00	45	6.21	17.5	9.4
AUG								
07...	1300	80513	80020	0.0	--	--	--	--
07...	1305	80513	80020	1.00	79	6.52	25.5	7.2

ARKANSAS RIVER BASIN--CONTINUED

07261880 NIMROD LAKE AT PLAINVIEW, ARK.--CONTINUED
(LAT 34 59 03 LONG 093 18 36)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
19...	0800	0.30	17	--	--	--	--	--
19...	0805	--	--	10	7.7	1.6	14	2.4
MAY								
18...	0800	0.30	K1100	--	--	--	--	--
18...	0805	--	--	50	18	2.0	13	2.5
AUG								
07...	1300	>0.61	K460	--	--	--	--	--
07...	1305	--	--	5	5.5	2.0	23	4.2

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
19...	0805	2.0	12	0.090	0.030	0.030	0.300	<0.100
MAY								
18...	0805	1.7	11	0.060	0.110	0.080	1.20	0.200
AUG								
07...	1305	3.0	24	0.110	0.040	0.020	2.00	0.200

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARK.
(LAT 34 57 03 LONG 093 19 24)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
19...	0910	80513	80020	0.0	--	--	--	--
19...	0911	80513	80020	3.00	--	--	--	--
19...	0915	80513	81213	4.00	39	6.08	5.0	9.8
MAY								
18...	0950	80513	80020	0.0	--	--	--	--
18...	0951	80513	80020	3.00	--	--	--	--
18...	0955	80513	81213	7.00	43	6.06	20.5	5.7
AUG								
07...	1205	80513	80020	0.0	--	--	--	--
07...	1206	80513	80020	3.00	--	--	--	--
07...	1210	80513	81213	6.00	43	5.95	29.0	3.2

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
19...	0910	<0.01	0	--	--	--	--	--
19...	0915	--	--	60	4.2	1.8	11	2.1
MAY								
18...	0950	0.30	150	--	--	--	--	--
18...	0955	--	--	70	19	3.0	12	2.3
AUG								
07...	1205	0.36	63	--	--	--	--	--
07...	1210	--	--	100	80	3.7	14	2.7

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARK.--CONTINUED
(LAT 34 57 03 LONG 093 19 24)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
19...	0911	--	--	--	--	--	1.30	<0.100
19...	0915	1.5	10	0.060	0.100	0.090	--	--
MAY								
18...	0951	--	--	--	--	--	7.80	0.800
18...	0955	1.4	10	0.020	0.170	0.070	--	--
AUG								
07...	1206	--	--	--	--	--	20.0	2.40
07...	1210	1.8	15	<0.020	0.210	0.080	--	--

07261925 NIMROD LAKE ON PRAIRIE CREEK, ARK.
(LAT 34 56 LONG 093 17 12)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
19...	1020	80513	80020	0.0	--	--	--	--
19...	1025	80513	80020	2.00	31	6.65	6.0	12.5
MAY								
18...	1045	80513	80020	0.0	--	--	--	--
18...	1050	80513	80020	3.00	35	6.35	21.0	7.8
AUG								
07...	1120	80513	80020	0.0	--	--	--	--
07...	1121	80513	81213	2.00	37	6.32	28.0	5.9
07...	1125	80513	80020	3.00	--	--	--	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
19...	1020	0.46	0	--	--	--	--	--
19...	1025	--	--	30	12	2.0	9	1.6
MAY								
18...	1045	0.46	K610	--	--	--	--	--
18...	1050	--	--	50	12	2.8	10	2.0
AUG								
07...	1120	0.55	14	--	--	--	--	--
07...	1121	--	--	20	18	3.2	11	2.0

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
19...	1025	1.2	8	0.080	0.050	0.030	3.30	<0.100
MAY								
18...	1050	1.3	8	0.030	0.080	0.040	5.50	0.500
AUG								
07...	1121	1.5	22	<0.020	0.060	0.020	--	--
07...	1125	--	--	--	--	--	16.0	1.70

ARKANSAS RIVER BASIN--CONTINUED

07261950 NIMROD LAKE NEAR CARTER COVE, ARK.
(LAT 34 57 22 LONG 093 14 56)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
19...	1000	80513	80020	0.0	--	--	--	--
19...	1005	80513	80020	1.00	29	6.76	6.5	13.1
MAY								
18...	1030	80513	80020	0.0	--	--	--	--
18...	1035	80513	80020	3.00	35	6.48	21.0	9.0
AUG								
07...	1100	80513	80020	0.0	--	--	--	--
07...	1105	80513	80020	1.50	37	6.26	28.0	6.6

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JAN								
19...	1000	0.55	9	--	--	--	--	--
19...	1005	--	--	20	13	1.9	8	1.5
MAY								
18...	1030	0.40	K8	--	--	--	--	--
18...	1035	--	--	10	18	1.0	11	2.0
AUG								
07...	1100	0.40	0	--	--	--	--	--
07...	1105	--	--	30	22	2.2	11	1.9

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
19...	1005	1.1	7	0.040	0.040	0.040	5.30	0.100
MAY								
18...	1035	1.4	9	<0.020	0.060	0.020	5.00	0.500
AUG								
07...	1105	1.4	10	<0.020	0.050	0.020	9.90	1.00

RED RIVER BASIN

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, ARK.
(LAT 34 09 49 LONG 094 24 18)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
10.	1500	80513	80020	0.0	--	--	--	--	2.20	15
10.	1501	80513	80020	3.00	--	--	--	--	--	--
10.	1505	80513	81213	5.00	27	6.96	5.5	13.1	--	--
MAY										
10.	0835	80513	80020	0.0	--	--	--	--	1.70	29
10.	0836	80513	80020	3.00	--	--	--	--	--	--
10.	0840	80513	81213	5.00	35	6.94	20.0	8.8	--	--
AUG										
23.	0730	80513	80020	0.0	--	--	--	--	1.50	5
23.	0731	80513	80020	3.00	--	--	--	--	--	--
23.	0735	80513	81213	5.00	65	7.93	31.0	9.3	--	--

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JAN									
10.	1505	10	3.5	1.5	9	2.3	0.80	9	3.8
MAY									
10.	0840	<5	2.9	1.2	10	2.4	0.90	10	3.1
AUG									
23.	0735	10	3.6	2.4	14	3.3	1.3	20	2.9

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
JAN									
10.	1505	1.6	0.060	<0.020	<0.010	80	<1	<10	3
MAY									
10.	0840	1.8	0.170	0.050	0.050	200	<1	<10	2
AUG									
23.	0735	5.1	0.770	0.160	0.090	90	1	<10	3

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
10.	1501	--	--	--	--	--	--	<0.100	<0.100
10.	1505	220	<5	<10	<0.10	5	<10	--	--
MAY									
10.	0836	--	--	--	--	--	--	2.80	0.600
10.	0840	240	<5	10	<0.10	3	<10	--	--
AUG									
23.	0731	--	--	--	--	--	--	23.0	2.30
23.	0735	310	<1	50	0.20	1	10	--	--

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARK.
(LAT 34 07 07 LONG 094 23 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00026)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
10.	1430	80513	80020	0.0	--	--	--	--	1.40
10.	1431	80513	80020	3.00	--	--	--	--	--
10.	1435	80513	81213	8.00	31	6.84	8.0	11.0	--
10.	1440	80513	81213	32.0	31	6.76	8.0	10.5	--
MAY									
10.	0815	80513	80020	0.0	--	--	--	--	1.90
10.	0816	80513	80020	3.00	--	--	--	--	--
10.	0820	80513	81213	8.00	33	7.36	21.0	10.5	--
10.	0825	80513	81213	30.0	34	6.80	15.0	5.3	--
AUG									
23.	0800	80513	80020	0.0	--	--	--	--	1.90
23.	0801	80513	80020	3.00	--	--	--	--	--
23.	0805	80513	81213	8.00	37	7.94	29.0	8.5	--
23.	0810	80513	81213	32.0	48	6.11	23.0	0.6	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
10.	1430	2	--	--	--	--	--	--	--
10.	1435	--	10	4.3	1.4	9	2.3	0.90	10
10.	1440	--	20	6.9	1.6	9	2.3	0.90	9
MAY									
10.	0815	0	--	--	--	--	--	--	--
10.	0820	--	<5	1.6	1.6	12	2.1	1.7	8
10.	0825	--	5	3.3	1.1	9	2.2	0.90	8
AUG									
23.	0800	4	--	--	--	--	--	--	--
23.	0805	--	10	2.0	2.2	10	2.5	1.0	10
23.	0810	--	30	4.3	1.4	11	2.7	1.1	13

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
10.	1431	--	--	--	--	--	4.80	<0.100
10.	1435	3.6	1.8	0.180	0.030	<0.010	--	--
10.	1440	3.6	1.8	0.180	0.030	<0.010	--	--
MAY								
10.	0816	--	--	--	--	--	8.00	0.300
10.	0820	3.4	1.4	<0.020	0.030	0.030	--	--
10.	0825	3.6	1.7	0.100	0.040	0.030	--	--
AUG								
23.	0801	--	--	--	--	--	9.40	0.300
23.	0805	2.9	1.7	<0.020	0.020	0.010	--	--
23.	0810	2.6	1.6	<0.020	0.050	0.030	--	--

RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, ARK.
(LAT 34 15 46 LONG 094 11 34)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
11.	0945	80513	80020	0.0	--	--	--	--	1.80	26
11.	0950	80513	80020	3.00	29	6.86	5.5	13.6	--	--
MAY										
09.	1230	80513	80020	0.0	--	--	--	--	1.70	18
09.	1235	80513	80020	3.00	29	6.47	19.5	9.6	--	--
AUG										
22.	0830	80513	80020	0.0	--	--	--	--	1.50	1
22.	0835	80513	81213	3.00	39	6.37	30.0	7.7	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JAN									
11.	0950	10	4.3	1.5	9	2.1	0.90	10	3.3
MAY									
09.	1235	<5	2.4	1.1	9	2.1	0.80	9	3.0
AUG									
22.	0835	5	2.4	2.1	12	3.1	1.1	13	2.6

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JAN									
11.	0950	1.7	0.020	<0.020	0.010	100	<1	<10	1
MAY									
09.	1235	1.5	0.030	0.020	0.020	100	<1	<10	2
AUG									
22.	0835	1.4	<0.020	0.020	0.010	70	<1	<10	1

DATE	TIME	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN									
11.	0950	230	<5	10	0.10	2	<10	0.200	<0.100
MAY									
09.	1235	110	<5	10	0.10	2	<10	0.200	<0.100
AUG									
22.	0835	290	<1	60	0.20	<1	<10	9.10	0.800

07340435 GILLHAM LAKE (OPOSSUM CK. ARM) NEAR DUCKETT, ARK.
(LAT 34 15 14 LONG 094 13 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
11.	1010	80513	80020	0.0	--	--	--	--	1.50
11.	1011	80513	80020	3.00	--	--	--	--	--
11.	1015	80513	81213	5.00	35	6.82	5.5	13.2	--
MAY									
09.	1315	80513	80020	0.0	--	--	--	--	1.50
09.	1316	80513	80020	3.00	--	--	--	--	--
09.	1320	80513	81213	11.0	34	6.33	21.0	8.6	--
AUG									
22.	0810	80513	80020	0.0	--	--	--	--	1.50
22.	0811	80513	80020	3.00	--	--	--	--	--
22.	0815	80513	81213	10.0	44	5.89	29.0	2.7	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
11.	1010	25	--	--	--	--	--	--	--
11.	1015	--	10	6.1	1.8	9	1.8	1.0	11
MAY									
09.	1315	3	--	--	--	--	--	--	--
09.	1320	--	5	11	1.5	10	2.5	1.0	12
AUG									
22.	0810	2	--	--	--	--	--	--	--
22.	0815	--	10	3.7	2.6	14	3.5	1.2	14

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHOROUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
11.	1011	--	--	--	--	--	0.200	<0.100
11.	1015	2.8	2.5	0.380	<0.020	0.010	--	--
MAY								
09.	1316	--	--	--	--	--	6.20	0.200
09.	1320	3.0	1.7	0.040	0.040	0.030	--	--
AUG								
22.	0811	--	--	--	--	--	9.60	0.800
22.	0815	2.4	1.5	0.030	0.040	0.020	--	--

RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARK.
(LAT 34 13 53 LONG 094 13 54)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN									
11.	1030	80513	80020	0.0	--	--	--	--	0.76
11.	1031	80513	80020	3.00	--	--	--	--	--
11.	1035	80513	81213	11.0	28	6.64	7.5	11.7	--
11.	1040	80513	81213	42.0	28	6.58	7.0	11.0	--
MAY									
09.	1155	80513	80020	0.0	--	--	--	--	1.80
09.	1156	80513	80020	3.00	--	--	--	--	--
09.	1200	80513	81213	12.0	29	6.36	21.0	8.9	--
09.	1210	80513	81213	48.0	33	6.09	14.5	4.2	--
AUG									
22.	0745	80513	80020	0.0	--	--	--	--	1.30
22.	0746	80513	80020	3.00	--	--	--	--	--
22.	0750	80513	81213	12.0	37	6.09	28.0	3.5	--
22.	0755	80513	81213	48.0	60	5.90	21.5	0.3	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
11.	1030	6	--	--	--	--	--	--	--
11.	1035	--	10	10	1.4	9	2.1	0.80	10
11.	1040	--	10	12	1.4	8	2.0	0.80	9
MAY									
09.	1155	1	--	--	--	--	--	--	--
09.	1200	--	<5	1.1	1.2	9	2.3	0.90	10
09.	1210	--	<5	4.7	1.1	10	2.4	0.90	10
AUG									
22.	0745	2	--	--	--	--	--	--	--
22.	0750	--	5	1.4	1.7	11	2.9	1.0	10
22.	0755	--	60	8.4	1.5	13	3.2	1.1	16

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN								
11.	1031	--	--	--	--	--	4.00	<0.100
11.	1035	3.3	1.7	0.080	0.030	0.010	--	--
11.	1040	3.3	1.7	0.110	0.020	0.010	--	--
MAY								
09.	1156	--	--	--	--	--	2.50	0.100
09.	1200	3.2	0.60	0.040	0.030	0.020	--	--
09.	1210	3.2	0.60	0.030	0.030	0.030	--	--
AUG								
22.	0746	--	--	--	--	--	4.10	0.300
22.	0750	2.6	1.4	<0.020	0.020	0.010	--	--
22.	0755	2.1	1.3	<0.020	0.080	0.050	--	--

RED RIVER BASIN--CONTINUED

07340595 LITTLE RIVER NEAR WILTON, ARK.
(LAT 33 47 00 LONG 094 08 54)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
JAN										
10.	0800	80513	80020	0.0	--	--	--	--	1.10	20
10.	0801	80513	80020	3.00	--	--	--	--	--	--
10.	0805	80513	81213	4.00	54	7.68	7.5	11.7	--	--
10.	0810	80513	81213	14.0	53	7.45	7.5	11.4	--	--
MAY										
08.	1545	80513	80020	0.0	--	--	--	--	0.55	63
08.	1550	80513	80020	3.00	50	6.52	19.5	8.3	--	--
08.	1555	80513	81213	14.0	48	6.40	19.5	8.1	--	--
AUG										
21.	1545	80513	80020	0.0	--	--	--	--	0.76	33
21.	1546	80513	80020	3.00	--	--	--	--	--	--
21.	1550	80513	81213	4.00	84	6.61	27.5	6.8	--	--
21.	1555	80513	81213	14.0	64	6.47	26.5	4.9	--	--

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JAN									
10.	0805	20	9.6	1.4	16	4.4	1.3	15	5.2
10.	0810	30	8.8	1.4	17	4.9	1.2	14	5.2
MAY									
08.	1550	40	12	1.3	16	4.6	1.2	14	4.3
08.	1555	40	14	1.3	17	4.7	1.2	15	4.3
AUG									
21.	1550	30	4.1	1.6	19	5.2	1.4	14	5.8
21.	1555	40	11	1.6	17	4.6	1.4	14	4.4

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
JAN									
10.	0805	4.6	0.140	0.040	0.030	200	<1	<10	2
10.	0810	4.4	0.160	0.040	0.030	200	<1	<10	3
MAY									
08.	1550	2.9	0.110	0.050	0.060	500	<1	<10	2
08.	1555	2.9	0.110	0.070	0.060	600	<1	<10	3
AUG									
21.	1550	10	0.130	0.070	0.040	300	1	<10	2
21.	1555	6.9	0.100	0.080	0.040	200	1	<10	2

RED RIVER BASIN--CONTINUED

07340595 LITTLE RIVER NEAR WILTON, ARK.--CONTINUED
(LAT 33 47 00 LONG 094 08 54)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
10.	0801	--	--	--	--	--	--	0.500	<0.100
10.	0805	530	<5	50	0.30	2	<10	--	--
10.	0810	550	<5	50	<0.10	4	<10	--	--
MAY									
08.	1550	1100	<5	80	<0.10	4	<10	1.20	<0.100
08.	1555	1200	<5	80	<0.10	5	<10	--	--
AUG									
21.	1546	--	--	--	--	--	--	1.80	0.200
21.	1550	1000	<1	150	<0.10	2	<10	--	--
21.	1555	1100	1	230	<0.10	3	<10	--	--

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, ARK.
(LAT 33 43 29 LONG 094 01 05)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
09.	1600	80513	80020	0.0	--	--	--	--	0.76	K290
09.	1601	80513	80020	3.00	--	--	--	--	--	--
09.	1605	80513	81213	15.0	40	7.05	8.5	11.6	--	--
MAY										
08.	1310	80513	80020	0.0	--	--	--	--	0.36	32
08.	1311	80513	80020	3.00	--	--	--	--	--	--
08.	1315	80513	81213	15.0	54	6.37	19.5	7.6	--	--
AUG										
21.	1130	80513	80020	0.0	--	--	--	--	1.20	5
21.	1131	80513	80020	3.00	--	--	--	--	--	--
21.	1135	80513	81213	13.0	55	5.70	26.0	5.0	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
09.	1605	20	12	1.0	13	3.3	1.1	11	4.7
MAY									
08.	1315	50	16	1.4	18	5.1	1.3	14	4.5
AUG									
21.	1135	30	7.2	2.2	15	4.2	1.0	10	3.7

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JAN									
09.	1605	2.8	0.100	0.030	<0.010	200	<1	<10	3
MAY									
08.	1315	3.0	0.100	0.060	0.060	500	<1	<10	2
AUG									
21.	1135	5.6	0.050	0.050	0.020	200	1	<10	2

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, ARK.--CONTINUED
(LAT 33 43 29 LONG 094 01 05)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
09.	1601	--	--	--	--	--	--	1.10	<0.100
09.	1605	450	<5	40	0.20	2	<10	--	--
MAY									
08.	1311	--	--	--	--	--	--	1.80	0.100
08.	1315	1100	<5	60	<0.10	4	<10	--	--
AUG									
21.	1131	--	--	--	--	--	--	12.0	0.900
21.	1135	720	<1	150	<0.10	2	<10	--	--

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, ARK.
(LAT 34 11 59 LONG 094 05 22)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
10.	1125	80513	80020	0.0	--	--	--	--	1.20	K250
10.	1126	80513	80020	3.00	--	--	--	--	--	--
10.	1130	80513	81213	6.00	37	7.09	5.5	12.9	--	--
MAY										
09.	0820	80513	80020	0.0	--	--	--	--	0.61	8
09.	0821	80513	80020	3.00	--	--	--	--	--	--
09.	0825	80513	81213	6.00	37	6.07	22.5	9.1	--	--
AUG										
22.	1145	80513	80020	0.0	--	--	--	--	0.97	K6
22.	1146	80513	80020	3.00	--	--	--	--	--	--
22.	1150	80513	81213	5.00	46	6.19	30.5	4.8	--	--

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JAN									
10.	1130	20	9.3	1.3	12	2.5	1.3	11	3.5
MAY									
09.	0825	10	5.6	2.5	11	2.3	1.2	13	2.7
AUG									
22.	1150	10	6.9	3.9	13	2.9	1.5	13	2.2

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHOROUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
JAN									
10.	1130	2.3	0.620	0.030	<0.010	200	<1	<10	3
MAY									
09.	0825	2.0	0.020	0.040	0.030	200	<1	<10	3
AUG									
22.	1150	1.9	<0.020	0.130	0.020	100	<1	<10	3

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, ARK.--CONTINUED
(LAT 34 11 59 LONG 094 05 22)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
10.	1126	--	--	--	--	--	--	0.300	<0.100
10.	1130	390	<5	20	<0.10	3	<10	--	--
MAY									
09.	0821	--	--	--	--	--	--	16.0	0.600
09.	0825	570	<5	70	<0.10	3	<10	--	--
AUG									
22.	1146	--	--	--	--	--	--	24.0	2.20
22.	1150	620	1	110	0.20	2	<10	--	--

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON. ARK.
(LAT 34 10 08 LONG 094 05 45)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN									
10.	1100	80513	80020	0.0	--	--	--	--	0.94
10.	1101	80513	80020	3.00	--	--	--	--	--
10.	1105	80513	81213	11.0	34	7.00	8.0	10.4	--
10.	1110	80513	81213	43.0	35	6.85	8.0	9.6	--
MAY									
09.	0845	80513	80020	0.0	--	--	--	--	1.20
09.	0846	80513	80020	3.00	--	--	--	--	--
09.	0850	80513	81213	10.0	37	6.43	20.5	8.3	--
09.	0855	80513	81213	40.0	46	6.17	13.5	0.7	--
AUG									
22.	1200	80513	80020	0.0	--	--	--	--	1.70
22.	1201	80513	80020	3.00	--	--	--	--	--
22.	1205	80513	81213	11.0	39	6.09	27.5	2.8	--
22.	1210	80513	81213	44.0	47	5.98	22.0	0.6	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN									
10.	1100	6	--	--	--	--	--	--	--
10.	1105	--	20	9.2	2.0	11	2.4	1.2	12
10.	1110	--	20	10	1.8	11	2.4	1.2	12
MAY									
09.	0845	0	--	--	--	--	--	--	--
09.	0850	--	10	5.3	1.5	11	2.4	1.2	12
09.	0855	--	20	2.8	1.3	13	2.9	1.3	16
AUG									
22.	1200	0	--	--	--	--	--	--	--
22.	1205	--	10	1.4	2.0	12	2.5	1.3	12
22.	1210	--	120	7.2	1.6	15	3.5	1.6	22

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, ARK.--CONTINUED
(LAT 34 10 08 LONG 094 05 45)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN								
10.	1101	--	--	--	--	--	8.30	<0.100
10.	1105	3.3	1.8	0.280	0.030	<0.010	--	--
10.	1110	3.4	1.9	0.300	0.030	<0.010	--	--
MAY								
09.	0846	--	--	--	--	--	12.0	<0.300
09.	0850	3.0	2.0	0.020	0.040	0.030	--	--
09.	0855	2.9	2.0	0.170	0.060	0.050	--	--
AUG								
22.	1201	--	--	--	--	--	12.0	0.200
22.	1205	2.4	1.6	<0.020	0.040	0.010	--	--
22.	1210	1.3	1.5	<0.020	0.200	0.170	--	--

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, ARK.
(LAT 33 49 08 LONG 093 59 06)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
JAN										
09.	1100	80513	80020	0.0	--	--	--	--	0.91	130
09.	1101	80513	80020	3.00	--	--	--	--	--	--
09.	1105	80513	81213	6.00	56	6.82	8.0	11.7	--	--
MAY										
08.	1500	80513	80020	0.0	--	--	--	--	0.46	57
08.	1501	80513	80020	3.00	--	--	--	--	--	--
08.	1505	80513	81213	7.00	66	6.89	18.5	8.0	--	--
AUG										
21.	1500	80513	80020	0.0	--	--	--	--	0.91	67
21.	1501	80513	80020	3.00	--	--	--	--	--	--
21.	1505	80513	81213	7.00	87	6.55	26.5	4.4	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
09.	1105	40	10	1.2	18	5.2	1.3	15	6.4
MAY									
08.	1505	40	9.2	1.5	22	6.7	1.4	16	6.4
AUG									
21.	1505	30	7.1	1.3	26	7.5	1.8	25	5.3

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JAN									
09.	1105	3.0	0.260	0.040	<0.010	200	<1	<10	2
MAY									
08.	1505	3.5	0.190	0.050	0.050	400	<1	<10	2
AUG									
21.	1505	5.7	0.170	0.050	0.030	200	1	<10	1

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, ARK.--CONTINUED
(LAT 33 49 08 LONG 093 59 06)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
09.	1101	--	--	--	--	--	--	0.400	<0.100
09.	1105	710	<5	70	0.20	4	<10	--	--
MAY									
08.	1501	--	--	--	--	--	--	1.40	0.100
08.	1505	1300	<5	90	<0.10	4	<10	--	--
AUG									
21.	1501	--	--	--	--	--	--	3.70	0.500
21.	1505	1800	<1	290	<0.10	<1	<10	--	--

07341280 MILLWOOD LAKE ON MINE CREEK, NEAR OKAY, ARK.
(LAT 33 47 16 LONG 093 56 11)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
JAN										
09.	1215	80513	80020	0.0	--	--	--	--	0.61	0
09.	1216	80513	80020	3.00	--	--	--	--	--	--
09.	1220	80513	81213	4.00	96	7.09	6.5	12.1	--	--
MAY										
08.	1415	80513	80020	0.0	--	--	--	--	0.55	19
08.	1416	80513	80020	3.00	--	--	--	--	--	--
08.	1420	80513	81213	5.00	115	6.88	22.5	8.0	--	--
AUG										
21.	1420	80513	80020	0.0	--	--	--	--	0.70	9
21.	1421	80513	80020	3.00	--	--	--	--	--	--
21.	1425	80513	81213	4.00	112	6.84	31.5	6.5	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
09.	1220	20	12	1.8	26	8.3	1.4	18	13
MAY									
08.	1420	40	19	2.3	38	13	1.4	32	10
AUG									
21.	1425	10	6.2	3.6	36	12	1.4	31	8.1

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JAN									
09.	1220	6.0	0.760	0.080	0.030	200	<1	<10	3
MAY									
08.	1420	3.9	<0.020	0.120	0.060	200	1	<10	2
AUG									
21.	1425	5.7	<0.020	0.140	0.050	200	3	<10	1

RED RIVER BASIN--CONTINUED

07341280 MILLWOOD LAKE ON MINE CREEK, NEAR OKAY, ARK.--CONTINUED
(LAT 33 47 16 LONG 093 56 11)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
09.	1216	--	--	--	--	--	--	3.10	0.300
09.	1220	810	<5	70	0.20	4	<10	--	--
MAY									
08.	1416	--	--	--	--	--	--	18.0	1.90
08.	1420	1500	<5	90	<0.10	5	<10	--	--
AUG									
21.	1421	--	--	--	--	--	--	18.0	1.50
21.	1425	1200	<1	250	<0.10	2	<10	--	--

07341295 MILLWOOD LAKE NEAR SARATOGA, ARK.
(LAT 33 44 20 LONG 093 57 09)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
09.	1400	80513	80020	0.0	--	--	--	--	0.52	K40
09.	1401	80513	80020	3.00	--	--	--	--	--	--
09.	1405	80513	81213	7.00	79	7.46	8.0	12.0	--	--
09.	1410	80513	81213	26.0	79	7.56	8.0	11.7	--	--
MAY										
08.	1100	80513	80020	0.0	--	--	--	--	0.58	2
08.	1101	80513	80020	3.00	--	--	--	--	--	--
08.	1105	80513	81213	6.00	68	6.88	20.5	9.2	--	--
08.	1110	80513	81213	26.0	68	6.92	20.5	9.0	--	--
AUG										
21.	1300	80513	80020	0.0	--	--	--	--	1.00	4
21.	1301	80513	80020	3.00	--	--	--	--	--	--
21.	1305	80513	81213	6.00	69	7.58	29.0	8.4	--	--
21.	1310	80513	81213	24.0	61	6.53	26.5	2.0	--	--

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN									
09.	1405	50	19	2.2	27	8.8	1.3	24	7.5
09.	1410	50	21	2.1	28	9.3	1.2	25	8.0
MAY									
08.	1105	10	4.5	1.7	22	6.8	1.3	20	5.1
08.	1110	10	5.2	1.7	22	6.7	1.3	19	5.1
AUG									
21.	1305	10	2.3	2.2	26	8.3	1.2	24	3.8
21.	1310	10	6.5	1.5	19	5.7	1.2	19	3.3

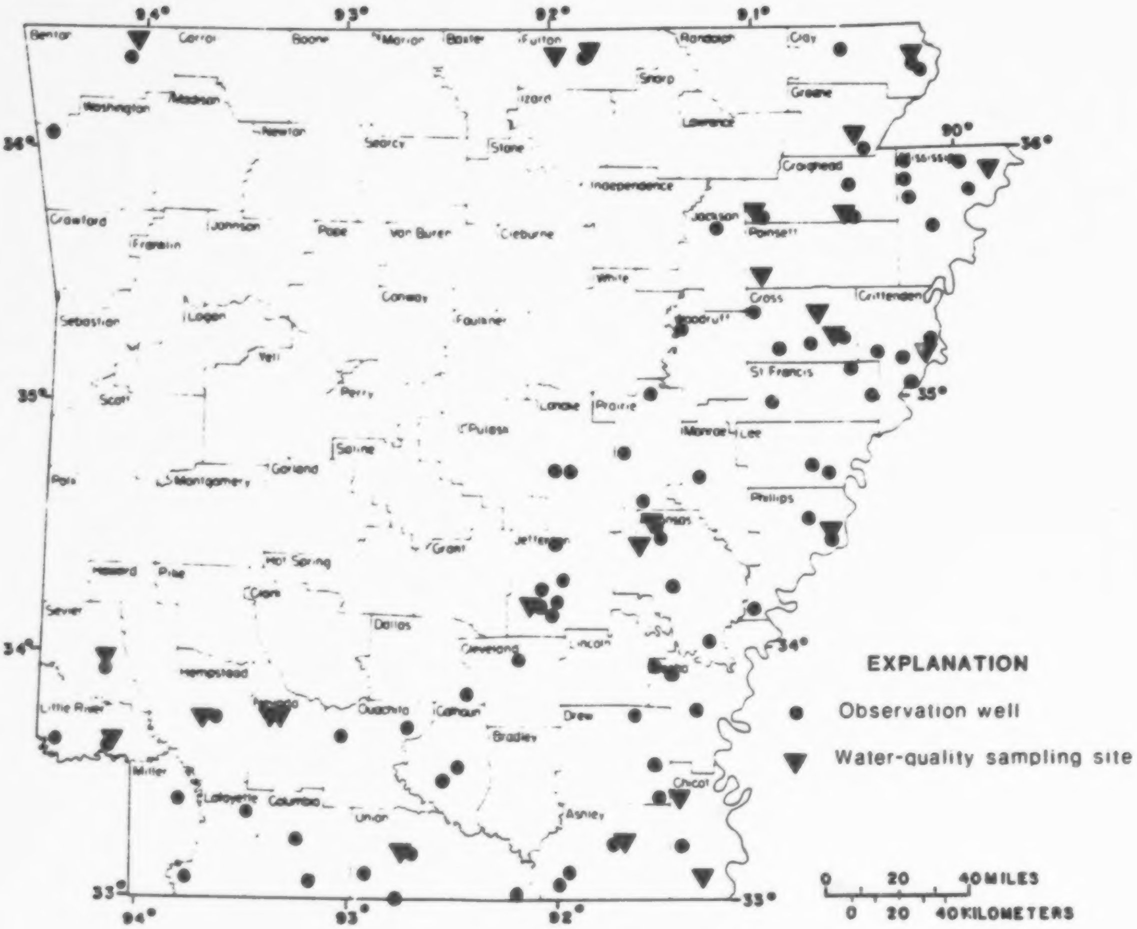
RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, ARK.--CONTINUED
(LAT 33 44 20 LONG 093 57 09)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHOROUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JAN									
09.	1405	3.1	0.260	0.060	0.040	400	<1	<10	3
09.	1410	3.1	0.260	0.060	0.040	400	<1	<10	3
MAY									
08.	1105	4.2	<0.020	0.040	0.030	200	<1	<10	2
08.	1110	4.2	<0.020	0.040	0.030	200	<1	<10	2
AUG									
21.	1305	2.6	<0.020	0.040	0.020	90	2	<10	1
21.	1310	3.8	<0.020	0.050	0.020	200	3	<10	1

DATE	TIME	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN									
09.	1401	--	--	--	--	--	--	7.10	0.300
09.	1405	820	<5	50	0.20	3	<10	--	--
09.	1410	830	<5	50	0.20	3	<10	--	--
MAY									
08.	1101	--	--	--	--	--	--	6.80	0.400
08.	1105	590	<5	80	<0.10	4	<10	--	--
08.	1110	590	<5	70	<0.10	5	10	--	--
AUG									
21.	1301	--	--	--	--	--	--	7.20	0.600
21.	1305	310	<1	130	0.10	<1	<10	--	--
21.	1310	650	<1	700	<0.10	1	<10	--	--


94°
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Benton
Carroll
Boone
Marion
Baxter
Fulton
Randolph
Clay
Sharp
Izard
Greene
Washington
Madison
Newton
Searcy
Stone
Lawrence
Craighead
Mississippi
Independence
Crawford
Franklin
Johnson
Pope
Van Buren
Cleburne
Jackson
Poinsett
White
Cross
Crittenden
Sebastian
Logan
Conway
Faulkner
Woodruff
Yell
St Francis
Scott
Perry
Lonoke
Prairie
Pulaski
Saline
Monroe
Lee
Polk
Montgomery
Garland
Phillips
Arkansas
Grant
Jefferson
Howard
Pike
Hot Spring
Clark
Sevier
Dallas
Cleveland
Lincoln
Desha
Hempstead
Little River
Nevada
Ouachita
Calhoun
Drew
Bradley
Miller
Lafayette
Columbia
Union
Ashley
Chicot
EXPLANATION
● Observation well
▼ Water-quality sampling site
0 20 40 MILES
0 20 40 KILOMETERS

Figure 6.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.

LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.
Owner: Sam Whiting.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in, depth 95 ft, cased 0-92 ft, screened 92-95 ft.

DATUM.--Land surface, 183.38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.

PERIOD OF RECORD.--December 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft below land surface, Apr. 20, 1962; lowest, 74.09 ft below land surface, July 24, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1989, 50.38 ft below land surface.

341556091292101. Local number, 05S04W07CCC1.

LOCATION.--Lat 34°15'56", long 91°29'10", Hydrologic Unit 08020402, near DeWitt.
Owner: H. Stutzenbaker.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Irrigation water-table well, diameter 24 in.

DATUM.--Land surface, 194 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1928 to April 1943, April 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.00 ft below land surface, May 4, 1929; lowest, 85.48 ft below land surface, Sept. 28, 1959.

MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1989, 74.87 ft below land surface.

342842091303401. Local number, 03S05W02AAB1.

LOCATION.--Lat 34°28'42", long 91°30'34", Hydrologic Unit 08020402, near Stuttgart.
Owner: Clarence Weaver.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 801 ft, screened 698-798 ft.

DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft above land surface.

REMARKS.--Water-quality records for 1950 available in files of district office.

PERIOD OF RECORD.--March 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.22 ft below land surface, Mar. 29, 1951; lowest, 157.98 ft below land surface, Sept. 12, 1966.

MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1989, 149.89 ft below land surface.

342847091345702. Local number, 03S05W06ABA2.

LOCATION.--Lat 34°28'47", long 91°34'57", Hydrologic Unit 08020402, near Stuttgart.
Owner: Russell Roth.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 20 in, depth 123 ft, screened 108-123 ft.

DATUM.--Land surface, 198 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-quality records for July 1975, August 1979, and June 1983 are available in files of district office.

342924091315301. Local number, 02S05W34BDA1.

LOCATION.--Lat 34°29'24", long 91°31'53", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 28 in, depth 760 ft.

DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.

REMARKS.--Water-level fluctuations caused largely by nearby irrigation pumpage.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.52 ft below land surface, Apr. 27, 1961; lowest, 277.19 ft below land surface, Aug. 28, 1980.

MEASUREMENT FOR CURRENT YEAR.--Mar. 9, 1989, 169.48 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	179.58	173.99	169.67	166.07	---	195.71	187.83	181.76	---
10	---	---	---	178.55	173.88	---	165.59	---	193.25	184.68	194.66	---
15	---	194.50	184.78	177.41	172.73	---	164.99	---	189.82	193.42	---	---
20	---	192.52	183.30	176.71	171.51	---	164.54	182.30	191.02	190.57	---	198.90
25	---	---	181.95	175.56	171.11	167.35	164.41	181.31	199.15	184.84	---	202.10
EOM	---	---	180.71	174.36	170.42	166.51	164.83	187.00	196.89	186.62	---	203.70

342925091314701. Local number 02S05W34ABC1.

LOCATION.--Lat 34°29'25", long 91°31'47", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHRACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 758 ft, cased 0-668 ft, screened 668-758 ft.

DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-quality records for June 1969, July 1975, August 1979, and June 1983 are available in files of district office.

330624091552801. Local number, 18S08W28DDD2.

LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 155 ft, screened 142-152 ft.

DATUM.--Land surface, 163.26 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.27 ft above land surface.

PERIOD OF RECORD.--June 1960 to August 1963, April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.53 ft below land surface, Jan. 19, 1988, and Mar. 30, 1989; lowest, 93.28 ft below land surface, Aug. 22, 1963.

MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1989, 86.53 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.50	87.09	87.36	87.01	93.81	93.32	87.02	86.86	86.89	87.03	86.96	87.08
10	87.14	87.36	87.16	87.43	93.97	93.73	87.19	87.08	87.15	87.20	87.15	87.01
15	87.14	87.03	87.32	93.78	93.70	93.37	86.78	86.96	87.04	87.02	86.97	87.05
20	87.14	87.30	87.04	93.84	93.14	93.27	86.85	86.97	87.03	86.93	86.97	87.01
25	87.26	86.99	87.38	93.60	93.70	93.44	86.82	86.76	87.02	87.25	87.01	87.02
EOM	87.20	87.49	87.05	93.41	93.44	86.90	86.94	87.10	87.12	87.01	87.00	86.82

WTR YR 1989 HIGH 86.55 APR 8 LOW 94.25 FEB. 9

331015091522401. Local number, 18S08W01AAB1.

LOCATION.--Lat 33°10'15", long 91°52'24", Hydrologic Unit 08040205, near Crossett.
Owner: Earl Daugherty and Sons.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 16 in, depth 128 ft, cased 0-108 ft.

DATUM.--Land surface, 181 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in pipe, 0.75 ft above land surface.

PERIOD OF RECORD.--May 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.63 ft below land surface, May 15, 1984; lowest, 90.55 ft below land surface, Mar. 31, 1988.

MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1989, 82.18 ft below land surface.

331730091423301. Local number, 16S06W27BAA1.

LOCATION.--Lat 33°17'30", long 91°42'33", Hydrologic Unit 08040205, near Wist.
Owner: Lloyd Engelkes.

AQUIFER.--Sand and gravel in terrace deposits of Pleistocene age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 138 ft.

DATUM.--Land surface, 184 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-quality records for June 1972, August 1979, and June 1983 are available in files of district office.

331729091424001. Local number, 16S06W27BAB1.

LOCATION.--Lat 33°17'29", long 91°42'40", Hydrologic Unit 08040205, near Wist.
Owner: E. T. Muller.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 115 ft.

DATUM.--Land surface, 182 ft National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.20 ft above land surface.

PERIOD OF RECORD.--April 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.45 ft below land surface, Mar. 6, 1972; lowest, 81.82 ft below land surface, Mar. 24, 1984.

MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1989, 79.35 ft below land surface.

BENTON COUNTY

361956094061401. Local number, 19N29W07DAB1.

LOCATION.--36°19'56", long 94°06'14", Hydrologic Unit 11010001, at Rogers.
Owner: City of Rogers.

AQUIFER.--Gunter Sandstone of Ordovician age.

WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 1,659 ft, cased 0-300 ft, open hole 300-1,659 ft.

DATUM.--Land surface, 1,220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft above land surface.

REMARKS.--This well replaced well number 21N29W35DDB1 for water-level measurements.

PERIOD OF RECORD.--May 1966 to December 1975, May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.72 ft below land surface, Dec. 2, 1975; lowest, 279.66 ft below land surface, June 9, 1967.

MEASUREMENT FOR CURRENT YEAR.--Apr. 19, 1989, 144.52 ft below land surface.

362636094012601. Local number, 21N29W35DDB1.
LOCATION.--Lat 36°26'36", long 94°01'26", Hydrologic Unit 11070208, at Pea Ridge National Park.
Owner: National Park Service.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled recreation artesian well, diameter 10 in, depth 1,769 ft, cased 0-416 ft, open hole 416-1,769 ft.
DATUM.--Land surface, 1,406 ft above mean sea level. Measuring point: Airhole in top of casing, 1.50 ft above land surface.
REMARKS.--Water-quality records for January 1965, June 1972, August 1977, and June 1982 are available in files of district office. Water-levels discontinued, May 1978.
PERIOD OF RECORD.--October 1965 to May 1978.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 294.00 ft below land surface, Oct. 12, 1965; lowest 320.22 ft below land surface, June 6, 1967.

CALHOUN COUNTY

333226092274101. Local number, 13S13W32CDA1.
LOCATION.--Lat 33°32'26", long 92°27'41", Hydrologic Unit 08040201, at Sturgis Street and State Highway No. 274 at Hampton.
Owner: City of Hampton.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, depth 450 ft.
DATUM.--Land surface, 208 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 2.50 ft above land surface.
PERIOD OF RECORD.--July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.49 ft below land surface, July 6, 1964; lowest, 175.85 ft below land surface, Mar. 30, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1989, 175.85 ft below land surface.

332932092325001. Local number, 14S14W21ACB1.
LOCATION.--Lat 33°29'32", long 92°32'50", Hydrologic Unit 08040201, near Hampton.
Owner: H. D. Avent.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 160 ft, cased 0-120 ft, screened 150-160 ft.
DATUM.--Land surface, 132 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land surface.
PERIOD OF RECORD.--April 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.16 ft below land surface, June 5, 1979; lowest, 36.20 ft below land surface, Oct. 13-18, 1985.
MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1989, 34.85 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.49	36.91	36.53	35.92	35.42	34.95	34.91	34.93	34.95	---	---	34.15
10	48.39	36.98	36.35	35.87	35.41	34.99	34.93	34.97	---	---	34.79	34.00
15	48.40	36.87	36.28	35.65	35.22	34.95	34.95	34.97	---	---	34.68	33.88
20	37.07	36.75	36.23	35.62	35.10	35.01	34.97	34.88	---	---	34.59	33.79
25	36.99	36.75	36.15	35.56	35.11	35.00	35.03	34.88	---	---	34.43	33.70
EOM	36.98	36.54	36.00	35.44	35.01	34.85	35.07	34.98	---	---	34.26	33.61

CHICOT COUNTY

330640091154103. Local number, 18S02W25ABB3.
LOCATION.--Lat 33°06'40", long 91°15'41", Hydrologic Unit 08050002, at Gordon Street and Highway No. 8, at Eudora (city well No. 3).
Owner: City of Eudora.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, depth 330 ft.
DATUM.--Land surface, 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1970, June 1975, May 1979, and June 1983 are available in files of district office.
PERIOD OF RECORD.--January 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 20, 1975; lowest, 47.65 ft below land surface, June 14, 1988.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1989, 40.[illegible] ft below land surface.

331242091232601. Local number, 17S03W23BBB1.
LOCATION.--Lat 33°12'42", long 91°23'26", Hydrologic Unit 08050001, near Eudora.
Owner: R. H. Tuggle.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-12 in, depth 125 ft cased (-0.5)-80 ft, screened 80-120 ft.
DATUM.--LandSurface, 114 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.48 ft below land surface, Apr. 9, 1985; lowest, 23.98 ft below land surface, Mar. 29, 1988.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 23.05 ft below land surface.

332613091255101. Local number, 14S03W32DCB1.
LOCATION.--Lat 33°26'13", long 91°25'51", Hydrologic Unit 08050001, near Jerome.
Owner: James Roy Baugh.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-10 in, depth 90 ft, cased 0-50 ft, screened 50-90 ft.
DATUM.--Land surface, 134 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-Quality record for July 1952, June 1982, and June 1986 are available in files of district office.
PERIOD OF RECORD.--July 1952, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.08 ft below land surface, Mar. 29, 1984; lowest, 27.77 ft below land surface, Mar. 25, 1987.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 26.38 ft below land surface.

CLAY COUNTY

361938090311601. Local number, 20N05E34DBA1.
LOCATION.--Lat 36°19'38", long 90°31'16", Hydrologic Unit 08020302, near Knobel.
Owner: Buck Sellmeyer.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-16 in, depth 110 ft.
DATUM .--Land surface, 285 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--April 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level meaured, 3.55 ft below land surface, May 1, 1973; lowest, 17.10 ft below land surface May 31, 1988.
MEAUREMENT FOR CURRENT YEAR.--Apr. 28, 1989, 16.08 ft below land surface.

362024090132101. Local number, 20N08E28BDC1.
LOCATION.--Lat 36°20'24", long 90°13'21", Hydrologic Unit 08020203, at Greenway City.
Owner: Greenway City.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-8 in, depth 992 ft.
DATUM.--Land surface, 286 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.14 ft above land surface, Apr. 13, 1967; lowest, 26.94 ft below land surface, Apr. 28, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 28, 1989, 26.94 ft below land surface.

362055090092901. Local number, 20N08E24DDA1.
LOCATION.--Lat 36°20'55", long 90°09'29", Hydrologic Unit 08020203, near Piggott.
Owner: Troy Gaddy.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-12 in, depth 110 ft.
DATUM.--Land surface, 276 ft National Geodetic Vertical Datum of 1929. Measuring point: End of discharge pipe, 2.00 ft above land surface.
PERIOD OF RECORD.--September 1966 to April 1967, March 1970, April 1970, March 1974 to March 1976, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.50 ft below land surface, Mar. 27, 1984; lowest, 13.21 ft below land surface, Nov. 2, 1966.
MEASUREMENT FOR CURRENT YEAR.--Apr. 28, 1989, 9.47 ft below land surface.

362311090111301. Local number, 20N08E11BAC3.
LOCATION.--Lat 36°23'11", long 90°11'13", Hydrologic Unit 08020203, near municipal light plant, Piggott (well No. 3).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-8 in, depth 976 ft. Cased 0-900 ft, screened 900-976 ft.
DATUM.--Land surface, 275 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1956, June 1970, and April 1975, and June 1982 are available in files of district office.
PERIOD OF RECORD.--April 1987 to current year.
MEASUREMENT FOR CURRENT YEAR.--No measurement.

CLEVELAND COUNTY

335729092112002. Local number, 09S11W01DDA2.
LOCATION.--Lat 33°57'29", long 92°11'20", Hydrologic Unit 08040204, at Rison.
Owner: Town of Rison.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 550 ft, cased 0-500 ft, screened 500-550 ft.
DATUM.--Land surface, 266 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--November 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.20 ft below land surface, May 13, 1966; lowest, 205.17 ft below land surface, Apr. 4, 1988.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1989, 203.64 ft below land surface.

330555093112801. Local number, 19S20W09CAC1.
LOCATION.--Lat 33°05'55", long 93°11'28", Hydrologic Unit 11140203, at Emerson.
Owner: Emerson Public Supply No. 2.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply well, depth 623 ft.
DATUM.--Land surface, 332 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 231.20 ft below land surface, Apr. 5, 1989; lowest, 262.78 ft below land surface, Apr. 18, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1989, 231.20 ft below land surface.

331609093144902. Local number, 17S21W11DCC2.
LOCATION.--Lat 33°16'09", long 93°14'49", Hydrologic Unit 11140203, at Magnolia (city well No. 2).
Owner: City of Magnolia.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 428 ft, cased 0-365 ft, screened 365-425 ft.
DATUM.--Land surface, 303 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--April 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.11 ft below land surface, Apr. 29, 953; lowest, 354.39 ft below land surface, Sept. 1, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 6, 1989, 335.07 ft below land surface.

CRAIGHEAD COUNTY

354246090503801. Local number, 13N02E35DAA1.
LOCATION.--Lat 35°42'46", long 90°50'38", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 12 in, depth 120 ft, screened 100-120 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
REMARKS.--Well in vicinity of heavy seasonal irrigation pumping.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.20 ft below land surface, June 19, 1957; lowest, 87.77 ft below land surface, Aug. 29, 1988.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 85.60 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	86.07	85.84	85.88	85.39	85.77	85.27	85.52	84.94	85.18	85.75	86.55	87.50
10	85.88	85.94	85.72	85.87	85.64	85.58	85.69	85.15	85.93	85.80	87.11	87.40
15	85.85	85.68	86.05	85.70	85.59	85.41	84.98	85.37	86.06	86.32	87.27	87.30
20	85.85	85.83	85.68	85.82	84.97	85.19	85.09	85.38	85.78	86.58	87.47	87.26
25	85.90	85.65	86.00	85.54	85.36	85.31	85.03	85.15	85.71	86.97	87.64	87.19
EOM	85.80	86.00	85.60	85.26	85.34	85.43	85.21	85.21	85.74	86.72	87.64	87.06

WTR YR 1989 HIGH 84.88 MAY 4 LOW 87.77 AUG 29

354236090504401. Local number 13N02E35DAC1.
LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12 in, depth 127 ft, cased 0-87 ft, screened 87-127 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, Sept. 1974, and June 1981 are available in files of district office.

354437090335701. Local number, 13N05E21BDD1.
LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203, at Bay.
Owner: City of Bay.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply water-table well, diameter 20-16 in, depth 147 ft, cased (-1.5)-96.7 ft, screened 96.7-126.7 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: South side face of pump base at breather pipe, 1.5 ft above land surface.
PERIOD OF RECORD.--March 1968, April 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 8.51 ft below land surface.

354635090365601. Local number, 13N04E12ABB1.
LOCATION.--Lat 35°46'35", long 90°36'56", Hydrologic Unit 08020203, near Bay.
Owner: Wilburn Morrison.
AQUIFER.--Sand and gravel or Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 10 in, depth 110 ft, cased 0-70 ft, screened 70-110 ft.
DATRUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut-out in North side of casing, 1.50 ft above land sand surface.
REMARKS.--Water-quality records for August 1984. This well replaced 13N05E21BDD1 for a master well.
PERIOD OF RECORD.--August 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest waer level measured, 14.73 ft below land surface, Apr. 1, 1985; lowest, 19.30 ft below land surface, Aug. 7, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 18.18 ft below land surface.

354437090335701. Local number, 13N05E21BDD1.
LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.
Owner: Town of Bay.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 147 ft, cased 0-97 ft, screened 97-127 ft, cased 127-147 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft above land surface.
REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 8.51 ft below land surface.

CRITTENDEN COUNTY

350344090130000. Local number, 05N08E11CCA2.
LOCATION.--Lat 35°03'44", long 90°13'00", Hydrologic Unit 08020203, near Louise. (site No. AR: H-2).
Owner: U.S.G.S. and M.L.G.W.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation aretsian well, diameter 6 in, depth 500 ft, cased 0-480 ft, screened 480-500 ft.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for March 1983 are available in files of Tennessee district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.28 ft below land surface, May 30, 31, 1983; lowest, 31.71 ft below land surface, Sept. 21, 1988.
MEASUREMENT FOR CURRENT YEAR.--Apr. 4, 1989, 23.38 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.55	31.14	29.44	27.79	27.65	23.87	23.27	23.51	23.00	22.69	24.60	26.19
10	31.59	31.15	29.80	28.33	26.78	24.17	22.50	23.17	23.36	22.87	25.13	25.30
15	31.64	30.76	30.02	27.46	26.66	23.96	22.02	23.11	23.02	23.34	25.43	26.27
20	31.52	30.27	30.00	26.74	25.01	23.80	22.38	22.99	22.65	23.58	25.97	25.90
25	31.39	29.00	29.95	26.70	24.64	24.31	23.60	22.99	22.46	24.23	26.17	26.02
EOM	31.29	28.72	27.96	27.90	24.14	23.64	23.91	23.27	22.57	24.36	25.96	25.99

WTR YR 1989 HIGH 22.01 APR 16 LOW 31.68 OCT 13

350958090173800. Local number, 06N07E010AD2.
LOCATION.--Lat 35°09'58", long 90°17'38", Hydrologic Unit 08020203, near Lehi, (site No. AR: C-1).
Owner: U.S.G.S. and M.L.G.W. (well on M. J. Carlson Farm).
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in depth 622 ft, cased 0-602 ft, screened 602-622 ft.
DATUM.--Land surface, 209 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for April 1983, are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.29 ft below land surface, June 11, 12, 13, 1983; lowest, 25.31 ft below land surface, Oct. 5, 6, 1988.
MEASUREMENT FOR CURRENT YEAR.--Apr. 4, 1989, 20.93 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.27	24.77	24.43	23.76	22.92	21.92	20.94	20.19	19.96	---	---	---
10	25.14	24.92	24.22	23.76	22.91	21.84	20.91	20.26	20.06	---	---	---
15	25.16	24.78	24.19	23.51	22.69	21.57	20.62	20.21	20.00	---	---	---
20	25.05	24.60	24.03	23.46	22.36	21.31	20.48	20.19	19.99	---	---	---
25	24.96	24.53	24.05	23.22	22.42	21.22	20.30	20.04	20.05	---	---	---
EOM	24.96	24.52	23.86	22.89	22.23	21.01	20.26	20.13	---	---	---	---

350906090104201. Local number, 06N09E07CAC1.

LOCATION.--Lat 35°09'06", long 90°10'42", Hydrologic Unit 08020203, at West Memphis (city well No. 5).

Owner: City of West Memphis.

AQUIFER.--Sand, Wilcox Group of Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter, 16 in, depth 1,470 ft, cased 0-1,380 ft, screened 1,380-1,470 ft.

DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Vent pipe east side of pump, 2.80 ft above land surface.

REMARKS.--Water-quality records for December 1976, and June 1981 are in files of district office.

PERIOD OF RECORD.--March 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.42 ft below land surface, Mar. 21, 1984; lowest, 66.14 ft below land surface, Apr. 4, 1989.

MEASUREMENTS FOR CURRENT YEAR.--Apr. 4, 1989, 66.14 ft below land surface.

351043090235901. Local number, 07N07E31CCC1.

LOCATION.--Lat 35°10'43", long 90°23'59", Hydrologic Unit 08020203, near Lansing.

Owner: John McKnight.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in, depth 98 ft.

DATUM.--Land surface, 207 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in steel plate, 1.00 ft above land surface.

PERIOD OF RECORD.--March 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft below land surface, May 17, 1958; lowest, 23.63 ft below land surface, Apr. 5, 1989.

MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1989, 23.63 ft below land surface.

351349090062800. Local number, 07N09E14BAC1.

LOCATION.--Lat 35°13'49", long 90°06'28", Hydrologic Unit 08020203, about 4 mi east of Marion, (site No. AR: O-1).

Owner: U.S.G.S. and M.L.G.W. (well on J. F. Fageman Heirs property.)

AQUIFER.--Sand, Memphis Aquifer of the Claiborne Group of Eocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 497 ft, cased 0-477 ft, screened 477-497 ft.

DATUM.--Land surface, 217 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.

REMARKS.--Water-quality records for April 1983 are available in files of Tennessee district office.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.42 ft below land surface, May 29, 30, 31, 1983; lowest, 41.68 ft below land surface, Sept. 6, 1988.

MEASUREMENT FOR CURRENT YEAR.--July 26, 1989, 33.95 ft below land surface, Aug. 30, 1989, 36.44 ft below land surface, and Sept. 26, 1989, 36.32 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.16	39.93	37.85	35.88	36.05	31.19	30.76	31.97	32.12	---	---	---
10	41.16	39.73	38.35	36.33	35.14	31.84	29.54	31.74	32.64	---	---	---
15	41.21	39.41	38.56	35.23	35.16	31.48	29.26	31.54	32.26	---	---	---
20	40.88	38.61	38.82	34.35	32.79	31.61	30.48	31.46	31.73	---	---	---
25	40.59	36.85	38.57	34.82	32.01	32.30	32.23	31.71	31.43	---	---	---
EOM	40.18	36.85	35.84	36.68	31.27	31.40	32.64	32.20	---	---	---	---

CROSS COUNTY

351541090473801. Local number, 07N03E05ADA1.

LOCATION.--Lat 35°15'41", long 90°47'38", Hydrologic Unit 08020205, near Vanndale.

Owner: J. E. Brown.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Irrigation well, diameter 22-20 in, depth 180 ft.

DATUM.--Land surface, 254 ft National GeodeticVertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land surface.

PERIOD OF RECORD.--April 1955, January 1957 to February 1962, April 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.57 ft below land surfce, June 19, 1957; lowest, 97.41 ft below land surface, Mar. 27, 1989.

MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 97.41 ft below land surface.

351544090334101. Local number, 07N05E04ADD1.

LOCATION.--Lat 35°15'37", long 90°33'29", Hydrologic Unit 08020203.

Owner: Parkin Water Company.

AQUIFER.--Sand, Memphis Aquifer of the Claiborne Group of Eocene Age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 462 ft., cased 0-394 ft., screened 402-462 ft.

DATUM.--Land surface, 209 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.70 ft. above land surface.

REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.

PERIOD OF RECORD.--March 1986 to April 1987. April 1989.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.56 ft. below land surface, Apr. 2, 1987 lowest, 25.91 ft. below land surface, Mar. 18, 1986.

MEASUREMENT FOR CURRENT YEAR.--Apr. 4, 1989, 25.11 ft below land surface.

352231090421501. Local number, 09N04E30DCA1.
LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.
Owner: Vanndale-Birdeye Water Association.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1,148 ft, cased 0-1,038 ft, screened 1,038-1,148 ft.
DATUM.--Land surface, 429 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe in pump base, 2.50 ft above land surface.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.
PERIOD OF RECORD.--July 26, 1973 to March 1986.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 240.47 ft below land surface, Mar. 22, 1976; lowest, 258.50 ft below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1989, 250.83 ft below land surface.

351326090473603. Local number, 07N03E16CCC3.
LOCATION.--Lat 35°13'26", long 90°47'36", Hydrologic Unit 08020205, at Wynne (city well No. 3).
Owner: City of Wynne.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in, depth 800 ft, cased 730 ft, screened 730-800 ft.
DATUM.--Land surface, 253 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening in north side of pump, 3.00 ft above land surface.
REMARKS.--Well is infrequently pumped.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.02 ft below land surface, Apr. 4, 1968; lowest, 85.76 ft below land surface, Mar. 29, 1985.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 83.22 ft below land surface.

352204091000201. Local number, 09N01E33BBA1.
LOCATION.--Lat 35°22'04", long 91°00'02", Hydrologic Unit 08020205, near Hickory Ridge.
Owner: H. H. Holleman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-8 in.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pit casing, north side, 0.90 ft above land surface.
PERIOD OF RECORD.--January 1957 to August 1962, April 1964 to April 1974, March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.90 ft below land surface, June 19, 1957; lowest, 62.42 ft below land surface, Mar. 22, 1988.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1989, 62.25 ft below land surface.

DALLAS COUNTY

334830092245702. Local number, 10S13W34ACA2.
LOCATION.--Lat 33°48'30", long 92°24'57", Hydrologic Unit 08040201, at Fordyce.
Owner: Fordyce Water Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 10-8 in, depth 888 ft.
DATUM.--Land surface, 272 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe in concrete base, 0.50 ft above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--October 1949 to May 1950, June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.81 ft below land surface, May 8, 1950; lowest, 143.11 ft below land surface, Apr. 6, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 6, 1989, 143.11 ft below land surface.

DESHA COUNTY

334615091170501. Local number, 11S02W03CCA1.
LOCATION.--Lat 33°46'15", long 91°17'05", Hydrologic Unit 08050002, near Rohwer.
Owner: R. A. Adcock.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 754 ft, cased 0-679 ft, screened 679-754 ft.
DATUM.--Land surface, 139 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--July 1952, December 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft below land surface, July 27, 1952; lowest, 61.34 ft below land surface, Mar. 29, 1988.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 59.98 ft below land surface.

335258091152301. Local number, 09S02W26DDC1.
LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.
Owner: Ed Smith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 5-2 in, depth 97 ft, cased 0-94 ft, screened 94-97 ft.
DATUM.--Land surface, 149.27 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.71 ft above land surface.
REMARKS.--Water level fluctuates largely with stage of Arkansas River.
PERIOD OF RECORD.--October 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft below land surface, Feb. 17, 1959; lowest, 25.73 ft below land surface, Aug. 26, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.39	24.83	24.32	22.96	---	18.74	17.59	18.13	17.31	13.95	19.41	22.71
10	25.29	24.75	24.31	22.78	---	18.54	17.43	17.00	16.80	15.08	20.27	22.23
15	25.21	24.66	24.03	---	---	18.30	17.34	16.60	15.98	16.42	21.55	21.88
20	25.14	24.58	23.92	---	---	18.24	17.25	16.32	15.70	16.90	22.30	21.57
25	25.04	24.48	23.76	---	19.23	18.12	17.51	16.08	17.11	17.87	22.63	21.32
EOM	24.93	24.37	23.45	---	19.07	17.93	17.73	16.41	15.60	18.64	23.15	21.10

335450091244501. Local number, 09S03W17DCB1.
LOCATION.--Lat 33°54'50", long 91°24'45", Hydrologic Unit 08050002, near Dumas.
Owner: Floyd Christman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Unused well, diameter 5 in, depth 126 ft, cased 0-123 ft.
DATUM.--Land surface, 155.08 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.40 ft below land surface, Mar. 21, 1975; lowest, 23.68 ft below land surface, Mar. 27, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 23.68 ft below land surface.

335810091325301. Local number, 09S04W06BBC1.
LOCATION.--Lat 33°58'10", long 91°32'53", Hydrologic Unit 08050001, near Gould.
Owner: Holthoff Brothers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diamter 18-10 in, depth 102 ft, screened 70-102 ft.
DATUM.--Land surface, 161.75 ft. National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--August 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft below land surface, May 8, 1958; lowest 26.68 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 23.32 ft below land surface.

DREW COUNTY

332418091272601. Local number, 15S04W12DDA1.
LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
Owner: Ernest Ellington and Son.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 18-8 in, depth 760 ft, cased 0-680 ft, screened 680-760 ft.
DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.91 ft below land surface, Mar. 28, 1962; lowest, 54.02 ft below land surface, Mar. 27, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 54.02 ft below land surface.

333205091304001. Local number, 13S04W33ABA1.
LOCATION.--Lat 33°32'05", long 91°30'40", Hydrologic Unit 08040205, near Collins.
Owner: Meherns.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 24-18 in, depth 100 ft.
DATUM.--Land surface, 140 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1955 to April 1955, April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.60 ft below land surface, Apr. 4, 1988; lowest, 17.31 ft below land surface, Apr. 16, 1984.
MEAUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 16.18 ft below land surface.

334601091412101. Local number, 11S06W11DBC1.
LOCATION.--Lat 33°46'01", long 91°41'21", Hydrologic Unit 08040205, near Florence.
Owner: James E. Henley, Jr.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 864 ft, cased 0-824 ft, screened 824-864 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1953 available in files of district office.
PERIOD OF RECORD.--March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.10 ft below land surface, March 27, 1964; lowest, 135.01 ft below land surface, Mar. 28, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 135.01 ft below land surface.

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.
LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1,280 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for January 1969, April 1975, and June 1982 are available in files of district office.

362207091492401. Local number, 20N08W27ABD1.
LOCATION.--Lat 36°22'07", long 91°49'24", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,282 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--February 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.74 ft below land surface, Apr. 2, 1985; lowest, 50.73 ft below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 13, 1989, 6.41 ft below land surface.

362359091590001. Local number, 20N09W18ACB1.
LOCATION.--Lat 36°23'59", long 91°59'00", Hydrologic Unit 1101006, at Viola.
Owner: City of Viola.
AQUIFER.--Roubidoux Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 950 ft.
DATUM.--Land surface, 860 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing under cover plate, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1982 are in files of district office.
PERIOD OF RECORD.--July 1978, April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft below land surface, July 24, 1978; lowest, 111.08 ft below land surface, Mar. 21, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 13, 1989, 102.06 ft below land surface.

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.
LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203, at Paragould (city well No. 1).
Owner: City of Paragould.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in, depth 507 ft, screened 467-507 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft above land surface.
REMARKS.--Water-quality records for December 1976, June 1981, and July 1984 are available in files of district office.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft below land surface, Apr. 13, 1967; lowest, 109.95 ft below land surface, Mar. 25, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 14, 1989, 98.15 ft below land surface.

360219090262501. Local number, 16N06E03CCC1.
LOCATION.--Lat 36°02'19", long 90°26'25", Hydrologic Unit 08020203, near Paragould.
Owner: Otis Williams.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 194 ft.
DATUM.--Land surface, 258 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft below land surface, Mar. 10, 1958; lowest, 47.90 ft below land surface, Mar. 30, 1988.
MEASUREMENT FOR CURRENT YEAR.--Apr. 14, 1989, 34.90 ft below land surface.

HEMPSTEAD COUNTY

334345093373701. Local number, 12S24W06CDC1.
LOCATION.--Lat 33°43'45", long 93°37'37", Hydrologic Unit 11140201, at Hope (city well No. 5).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,156 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for June 1972, January 1977, June 1982, and June 1986 are available in files of district office.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.02 ft below land surface, Apr. 14, 1972; lowest, 196.10 ft below land surface, Mar. 29, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 12, 1989, 162.50 ft below land surface.

334358093370101. Local number, 12S24W06DAD1.
LOCATION.--Lat 33°43'58", long 93°37'01", Hydrologic Unit 11140201, at Hope (city well No. 2).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,200 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in pipe in south side of concrete base, 0.80 ft above land surface.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft below land surface, Apr. 5, 1971; lowest, 200.45 ft below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Apr. 12, 1989, 156.13 ft below land surface.

JACKSON COUNTY

353909091085102. Local number, 12N02W25ABB2.
LOCATION.--Lat 35°39'09", long 91°08'51", Hydrologic Unit 08020302, near Tuckerman.
Owner: R. D. Wilmans.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well.
DATUM.--Land surface, 234 ft National Geodetic Vertical Datum of 1929. Measuring point: End of discharge pipe, 9.5 ft above land surface.
PERIOD OF RECORD.--April 1953 to April 1963, April 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft below land surface, Apr. 18, 1962; lowest, 23.67 ft below land surface Mar. 21, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1989, 23.67 ft below land surface.

JEFFERSON COUNTY

340901091564601. Local number, 07S08W06BAA1.
LOCATION.--Lat 34°09'01", long 91°56'46", Hydrologic Unit 08040205, near Pine Bluff.
Owner: W. K. Shell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 160 ft, cased 0-120 ft, screened 120-160 ft.
DATUM.--Land surface, 202.31 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in pipe on south side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft below land surface, Apr. 5, 1962; lowest, 21.09 ft below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1989, 12.52 ft below land surface.

341138091551601. Local number, 06S08W16CCC1.
LOCATION.--Lat 34°11'38", long 91°55'16", Hydrologic Unit 08040205, at intersection of U.S. Highway 62 and State Highway 81 near Pine Bluff (company observation well No. 3).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 1,106 ft, cased 0-1,017 ft, 1,033-1,053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft, 1,053-1,068 ft, 1,090-1,106 ft.
DATUM.--Land surface, 202.42 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 246.65 ft below land surface, Apr. 25, 1984.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 19	240.90	Jan. 18	244.50	Apr. 19	241.25	June 20	237.50	Aug. 18	236.80
Nov. 21	243.10	Feb. 21	241.60	May 22	240.00	July 18	238.00	Sep. 19	236.90
Dec. 14	242.10	Mar. 21	240.20						

341151092022101. Local number, 06S09W17CCA1.
LOCATION.--Lat 34°11'51", long 92°02'21", Hydrologic Unit 08040205, at Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4-2 in, depth 906 ft.
DATUM.--Land surface, 234.34 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.55 ft below land surface, May 2, 1957; lowest, 259.50 ft below land surface, Mar. 22, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1989, 259.50 ft below land surface.

341147092022301. Local number, 06S09W17CCB1.
LOCATION.--Lat 34°11'47", long 92°02'23", Hydrologic Unit 08040205, near Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation (well No. 16).
AQUIFER.--Sparta Sand of Eocene Age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-8 in, depth 963 ft, cased 0-783 ft, screened 783-863 ft.
DATUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for December 1966, June 1975, August 1979, and June 1983 are available in files of district office.

341427091565201. Local number, 05S09W35AAB1.
LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 809 ft.
DATUM.--Land surface, 204.67 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land surface.
PERIOD OF RECORD.--September 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft below land surface, May 23, 1957; lowest, 271.59 ft below land surface, Mar. 24, 1981.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 22, 1989, 270.09 ft below land surface.

342837092003901. Local number, 03S09W06DDA1.
LOCATION.--Lat 34°28'37", long 92°00'39", Hydrologic Unit 11110207, near Pastoria.
Owner:
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: 0.5 in hole east side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1958 to March 1964, March 1972 to March 1989.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.74 ft below land surface, Apr. 19, 1958; lowest, 34.14 ft below land surface Mar. 22, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1989, 34.14 ft below land surface.

LAFAYETTE COUNTY

330804093435501. Local number, 19S25W06ABD1.
LOCATION.--Lat 33°08'04", long 93°43'55", Hydrologic Unit 11140201, near Gin City.
Owner: Earl Stanley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-12 in, depth 63 ft, cased 0-43 ft, screened 43-63 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft below land surface, Apr. 1, 1959; lowest, 17.67 ft below land surface, Nov. 29, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1989, 6.37 ft below land surface.

332145093280402. Local number, 16S23W10DCA2.
LOCATION.--Lat 33°21'45", long 93°28'04", Hydrologic Unit 11140203, near Stamps.
Owner: Arkansas Power and Light Company.
AQUIFER.--Cane River Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 355 ft.
DATUM.--Land surface, 293.50 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 31, 1953; lowest, 88.90 ft below land surface, Oct. 1, 1963.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 11, 1989, 59.03 ft below land surface.

344203090411601. Local number, 01N04E09DCC1.
LOCATION.--Lat 34°42'03", long 90°41'16", Hydrologic Unit 08020203, near Marianna.
Owner: U.S. Geological Survey.
AQUIFER.--Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6-3 in, depth 1,885 ft, cased 0-1,865 ft, screened 1,865-1,885 ft.
DATUM.--Land surface, 204 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in pipe cap, 3.50 ft above land surface.
REMARKS.--Water-quality records for 1964 available in files of district office.
PERIOD OF RECORD.--September 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.92 ft below land surface, Nov. 23, 1964; lowest, 33.38 ft below land surface, Mar. 29, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1989, 33.38 ft below land surface.

344341090460001. Local number, 01N03E02BBC1.
LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
Owner: University of Arkansas, Cotton Branch Experiment Station.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in, depth 168 ft.
DATUM.--Land surface, 236.43 ft National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft below land surface, Apr. 17, 1961; lowest, 49.67 ft below land surface, Nov. 15, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 41.13 ft below land surface.

LITTLE RIVER COUNTY

333928094065401. Local number, 13S29W04CBC1.
LOCATION.--Lat 33°39'28", long 94°06'54", Hydrologic Unit 11140109, at Ashdown (city well No. 6).
Owner: City of Ashdown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-6 in, depth 95 ft, cased 0-65 ft screened, 65-95 ft.
DATUM.--Land surface, 327 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1981 and June 1986 are available in files of district office.

333951094071501. Local number, 13S29W05ABC1.
LOCATION.--Lat 33°39'51", long 94°07'15", Hydrologic Unit 11140109, near Ashdown.
Owner: Diggs and Hagan.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-8 in, depth 98 ft, cased 0-58 ft, screened 58-98 ft.
DATUM.--Land surface, 330 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
REMARKS.--Water-quality records for 1972 available in files of district office.
PERIOD OF RECORD.--March 1957 to March 1968, April 1971 to April 1973, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft below land surface, Dec. 2, 1958; lowest, 48.16 ft below land surface, Mar. 24, 1976.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 25.69 ft below land surface.

333851094254201. Local number 13S32W09CCC1.
LOCATION.--Lat 33°38'51", long 94°25'42", Hydrologic Unit 11140106, near Foreman.
Owner: W. L. Watteson.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 4 in, depth 52 ft, cased 0-42 ft, screened 45-52 ft.
DATUM.--Land surface, 313 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.84 ft below land surface, Mar. 28, 1984; lowest, 5.47 ft below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 3.47 ft below land surface.

344607091543401. Local number, 02N08W30CAB1.
LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.
Owner: State Game and Fish Commission.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in, depth 135 ft.
DATUM.--Land surface, 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
PERIOD OF RECORD.--September 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft below land surface, Mar. 24, 1969; lowest, 116.87 ft below land surface, Aug. 5, 1987.
MEASUREMENT FOR CURRENT YEAR.--Mar. 9, 1989, 114.16 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1929
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	118.93	116.93	115.54	114.43	114.42	114.17	117.26	116.81	118.25	121.35	121.59	120.48
10	117.81	117.08	115.19	114.86	114.48	113.90	117.04	115.64	118.33	121.29	121.54	119.62
15	117.43	115.85	115.37	114.60	114.70	114.55	116.02	114.50	118.94	122.75	121.54	119.19
20	117.17	115.88	114.83	114.63	114.05	115.72	115.77	117.39	118.71	123.58	121.89	118.81
25	117.18	115.41	115.17	114.25	114.44	116.86	116.90	116.34	120.02	124.23	121.19	118.45
EOM	117.19	115.77	114.68	113.95	114.29	117.49	117.65	117.66	121.02	122.12	121.97	117.90

WTR YR 1989 HIGH 113.39 MAR 13 LOW 124.25 JUL 26

344955091565301. Local number, 02N09W02BCB1.
LOCATION.--Lat 34°49'55", long 91°56'53", Hydrologic Unit 08020402, near Lonoxe.
Owner: Joe Bob Gotcher.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 128 ft.
DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate over well at land surface.
PERIOD OF RECORD.--March 1937, March 1944, March 1947, March 1951, March 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.72 ft below land surface, Mar. 28, 1937; lowest, 106.82 ft below land surface, May 10, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 11, 1989, 103.41 ft below land surface.

MILLER COUNTY

332441093461401. Local number, 15S26W34AAA1.
LOCATION.--Lat 33°24'41", long 93°46'14", Hydrologic Unit 11140201, near Garland on U.S. Highway No. 82.
Owner: Harold E. Beck.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 41 ft.
DATUM.--Land surface, 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1960, April 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.25 ft below land surface, August 21, 1970; lowest, 13.98 ft below land surface, April 14, 1972.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 11, 1989, 3.23 ft below land surface.

MISSISSIPPI COUNTY

354033090055201. Local number, 12N09E11DBB1.
LOCATION.--Lat 35°40'33", long 90°05'52", Hydrologic Unit 08020203, at Keiser.
Owner: City of Keiser.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 1420 ft.
DTUM.--Land surface, 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather pipe east side 3.00 ft ablove land surface.
PERIOD OF RECORD.--June 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.58 ft below land surface, June 14, 1966; lowest, 26.52 ft below land surface, Apr. 27, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 27, 1989, 26.52 ft below land surface.

355005090034601. Local number, 14N10E18ABC1.
LOCATION.--Lat 35°50'05", long 90°03'46", Hydrologic Unit 08020203, near Dell.
Owner: R. A. Greenway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth 101 ft, cased 0-51 ft, screened 51-101 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land surface.
REMARKS.--Water-quality records for 1956 and 1957 available in files of district office.
PERIOD OF RECORD.--May 1955, January 1957 to March 1988.
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 4.90 ft below land surface, Dec. 11, 1957; lowest, 15.86 ft below land surface, Nov. 18, 1964.

355102090105101. Local number, 14N08E12DAB1.
LOCATION.--Lat 35°51'02", long 90°10'51", Hydrologic Unit 08020204, near Manila.
Owner: Gerald Costner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in center of drum over well, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.07 ft below land surface, Mar. 25, 1975; lowest, 7.79 ft below land surface, Apr. 12, 1977.
MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1989, 4.65 ft below land surface.

355252090095701. Local number, 15N09E31ACD1.
LOCATION.--Lat 35°52'52", long 90°09'57", Hydrologic Unit 08020204, at Manila.
Owner: City of Manila.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,158 ft.
DATUM.--Land surface, 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Airline hole east side, 1.7 ft above land surface.
PERIOD OF RECORD.--March 1968 to April 1972, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.69 ft below land surface, Mar. 7, 1968; lowest, 26.46 ft below land surface, Mar. 29, 1988.
MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1989, 25.28 ft below land surface.

355323089552101. Local number 15N11E28CAC1.
LOCATION.--Lat 35°53'23", long 89°55'21", Hydrologic Unit 08010100, at Dogwood.
Owner: Dogwood Community Water Association, Inc.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,400 ft, cased 0-1,337 ft, sreened 1,337 -1,400 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: remove pressure gage, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, April 1975, and June 1982 are available in files of district office. Water-level measurement discontinued.
PERIOD OF RECORD.--March 1968 to April 1972.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.90 ft below land surface, Apr. 11, 1968; lowest, 19.89 ft below land surface, Apr. 14, 1972.

355712089580201. Local number, 15N10E01ADD1.
LOCATION.--Lat 35°57'12", long 89°58'02", Hydrologic Unit 08020204, at Gosnell.
Owner: Town of Gosnell.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1,373 ft.
DATUM.--Land surface, 248 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--June 1967, March 1970 to March 1973, April 1975 to curren tyear.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.70 ft below land surface, Apr. 9, 1975; lowest, 20.49 ft below land surface, Mar. 27, 1980.
MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1989, 20.23 ft below land surface.

355607090152601. Local number, 15N08E08DBC1.
LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.
Owner: City of Leachville (city well No. 1).
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in, depth 1,083 ft cased 0-1,000 ft, screened 1,000-1,083 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft above land surface.
REMARKS.--Water-quality records for 1956 in files of district office.
PERIOD OF RECORD.--November 1958, March 1967 to March 1988.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft below land surface, Nov. 5, 1958; lowest, 10.18 ft below land surface, June 10, 1967.

MONROE COUNTY

344145091175601. Local number, 01N03W14CCB1.
LOCATION.--Lat 34°41'45", long 91°17'56", Hydrologic Unit 08020303, at Clarendon.
Owner: City of Clarendon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply water-table well, depth 595 ft.
DATUM.--Land surface, 172 ft National Geodetic Vertical Datum of 1929. Measuring point: Vent hole northside of base, 3.6 ft above land surface.
PERIOD OF RECORD.--November 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.99 ft below land surface, Apr. 10, 1984; lowest, 60.57 ft below land surface Nov. 30, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1989, 58.87 ft below land surface.

345201091072101. Local number, 03N61W20ABA1.
LOCATION.--Lat 34°52'01", long 91°07'21", Hydrologic Unit 08020304, near Garrett Grove.
Owner: C. E. Mitchell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 22-18 in.
DATUM.--Land surface, 189 ft National Geodetic Vertical Datum of 1929. Meauring point: Bottom of cutout at land surface.
PERIOD OF RECORD.--July 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.70 ft below land surface, Apr. 4, 1975; lowest, 35.46 ft below land surface, Mar. 22, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1989, 35.46 ft below land surface.

NEVADA COUNTY

334756093231801. Local number, 11S22W08DAC1.
LOCATION.--Lat 33°47'56", long 93°23'18", Hydrologic Unit 08040103, at Prescott (city well No. 1).
Owner: City of Prescott.
AQUIFER.--Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 11-6 in, depth 1,052 ft, cased 0-1,002 ft, screened 1,002-1,052 ft.
DATUM.--Land surface, 305 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in plug in concrete base, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1972, and June 1983 are available in files of district office.
PERIOD OF RECORD.--February 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.20 ft below land surface, Mar. 24, 1986; lowest, 170.33 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1989, 80.71 ft below land surface.

334759093231302. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in, depth 232 ft, cased 0-172 ft, screened 172-232 ft.
DATUM.--Land surface, 306 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in pipe on northeast side of concrete base, 1.70 ft above land surface.
REMARKS.--Water-quality records for June 1981 and June 1986 are available in files of district office.
PERIOD OF RECORD.--May 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.99 ft below land surface, Apr. 10, 1989; lowest, 138.42 ft below land surface, Apr. 9, 1974.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1989, 39.99 ft below land surface.

OUACHITA COUNTY

334018092594801. Local number, 12S18W19CDC1.
LOCATION.--Lat 33°40'18", long 92°59'48", Hydrologic Unit 08040102, near Bragg City.
Owner: U.S. Geological Survey.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 120 ft, cased 0-117 ft, screened 117-120 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
REMARKS.--Water-quality records for 1957 and 1958 available in files of district office.
PERIOD OF RECORD.--November 1958 to March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.71 ft below land surface, Mar. 31, 1975; lowest, 53.20 ft below land surface, Oct. 1, 1970.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1989, 38.56 ft below land surface.

334215092413201. Local number, 12S16W12ADB1.
LOCATION.--Lat 33°42'15", long 92°41'32', Hydrologic Unit 08040102, near Eagle Mills.
Owner: J. S. J. Lyle Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 300 ft.
DATUM.--Land surface, 159 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--October 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft below land surface, May 15, 1962; lowest, 30.27 ft below land surface, Apr. 5, 1968.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1989, 24.37 ft below land surface.

340851091004201. Local number, 06S01E28AAA1.
LOCATION.--Lat 34°08'51", long 91°00'42", Hydrologic Unit 08020303, near Henrico.
Owner: Billy Carter.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Irrigation water-table well, diameter 16-14 in.
DATUM.--Land surface, 151 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in casing, 0.5 ft above land surface.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.90 ft below land surface, May 18, 1973; lowest, 19.22 ft below land surface, Mar. 28, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 19.22 ft below land surface.

342910090363401. Local number, 02S05E29CBC1.
LOCATION.--Lat 34°29'30", long 90°36'34", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 377 ft, cased 0-298 ft, screened 298-358 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929.
REMARKS.--This well replaced 02S05E29CCC1 for quality-water records. Water-quality records for June 1982 are available in files of district office.

342856090363601. Local number, 02S05E29CCC1.
LOCATION.--Lat 34°28'56", long 90°36'36", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in, depth 308 ft, cased 0-278 ft, screened 278-308 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
REMARKS.--Water-quality records for June 1970 and March 1975 are available in files of district office.
PERIOD OF RECORD.--February 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.17 ft below land surface, May 22, 1983; lowest, 98.13 ft below land surface, July 13, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 43.16 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.13	35.42	34.64	43.52	46.08	39.60	38.85	44.00	27.70	29.57	26.51	29.90
10	33.33	41.90	37.89	37.24	48.47	48.55	38.88	32.18	29.63	27.60	30.78	30.62
15	33.80	35.29	45.01	41.88	49.81	51.85	40.75	30.02	28.22	28.13	27.15	29.68
20	34.08	37.71	44.43	41.75	56.95	55.77	39.32	30.71	29.07	25.95	28.15	29.16
25	34.14	34.97	46.85	43.00	56.95	52.80	36.78	29.14	24.89	25.84	29.04	28.89
EOM	36.32	35.71	43.11	45.15	43.92	42.77	46.42	28.44	25.64	26.44	30.47	27.58

WTR YR 1989 HIGH 24.28 JUL 13 LOW 56.95 FEB 20

343108090462601. Local number, 02S03E15ACD1.
LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.
Owner: Don R. Dearing.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 112 ft.
DATUM.--Land surface, 147 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--March 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft below land surface, Apr. 25, 1973; lowest, 17.44 ft below land surface, Aug. 11, 1982, and Sept. 9, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1989, 11.22 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	16.94	---	---	---	9.00	9.02	12.49	13.27	10.12	14.40	15.19
10	---	16.98	---	---	11.38	8.90	9.82	11.15	13.03	12.21	14.81	15.15
15	---	16.90	---	---	10.79	9.95	10.18	10.29	12.50	12.93	15.17	15.11
20	---	16.89	---	---	8.86	10.31	10.93	10.39	12.47	12.87	15.28	15.11
25	---	16.84	---	---	8.98	10.77	11.67	10.37	12.48	13.60	15.34	15.16
EOM	---	---	---	---	9.07	8.86	12.27	11.45	12.33	14.05	15.24	15.11

POINSETT COUNTY

352930090582501. Local number, 10N01E15DBB1.
LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.
Owner: City of Fisher.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in, depth 302 ft, cased 0-260 ft, screened 260-302 ft.
DATUM.--Land surface, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south, side of pump, 1.80 ft above land surface.
REMARKS.--Water-quality records for June 1970, March 1975, June 1982 and June 1986, are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft below land surface, Apr. 8, 1968; lowest, 74.41 ft below land surface, Mar. 31, 1988.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1989, 73.34 ft below land surface.

PRAIRIE COUNTY

343639091335201. Local number, 01S05W20ABB1.
LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.
Owner: Mike Prislovsky.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 632 ft, cased 0-545 ft, screened 545-632 ft.
DATUM.--Land surface, 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1937, April 1942, May 1947, October 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.43 ft below land surface, Apr. 29, 1938; lowest 142.96 ft below land surface, Mar. 31, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1989, 142.96 ft below land surface.

344644091382801. Local number, 02N06W21DAD1.
LOCATION.--Lat 34°46'44", long 91°38'28", Hydrologic Unit 08020303, near Carlisle.
Owner: E. O. Hansen, Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in, depth 314 ft, cased 0-254 ft, screened 254-314 ft.
DATUM.--Land surface, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--July 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.88 ft below land surface, Mar. 20, 1963; lowest, 114.67 ft below land surface, May 22, 1967.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1989, 108.41 ft below land surface.

345843091344601. Local number, 04N05W07CDC1.
LOCATION.--Lat 34°58'43", long 91°34'46", Hydrologic Unit 08020301, near Des Arc.
Owner: Fred Rodgers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-12 in.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft above land surface.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 47.73 ft below land surface, Apr. 2, 1968; lowest, 66.13 ft below land surface, Apr. 23, 1989.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 23, 1989, 66.13 ft. below land surface.

ST. FRANCIS COUNTY

345848090521903. Local number, 04N02E03DDD3.
LOCATION.--Lat 34°58'48", long 90°52'19", Hydrologic Unit 08020205, near Palestine at Hamilton Moses Plant (plant well No. 3).
Owner: Arkansas Power and Light Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 151 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in southwest side of pump base, 3.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.23 ft below land surface, June 29, 1961; lowest, 34.95 ft below land surface, Mar. 27, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1989, 34.95 ft below land surface.

350029090265801. Local number, 05N06E34CAB1.
LOCATION.--Lat 35°00'29", long 90°26'58", Hydrologic Unit 08020203, near Greasy Corner.
Owner: C. D. Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-10 in, depth 110 ft.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.70 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1955, February 1961, March 1962, July 1964 to March 1988.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft below land surface, Mar. 31, 1975; lowest, 26.13 ft below land surface, Mar. 18, 1966.

350723090324901. Local number, 06N05E22ACC1.
LOCATION.--Lat 35°07'30", long 90°32'49", Hydrologic Unit 08020203, near Rhea.
Owner: Unknown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Irrigation water-table well, diameter 12-8 in.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land surface.
PERIOD OF RECORD.--March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.10 ft below land surface, Apr. 1, 1975; lowest, 29.25 ft below land surface, Apr. 3, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1989, 29.25 ft below land surface.

SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.
LOCATION.--Lat 33°58"08', long 94°10'01", Hydrologic Unit 1140109, at Lockesburg (city well No. 2).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 197 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft below land surface, Apr. 17, 1968; lowest, 81.76 ft below land surface, Apr. 5, 1978.
MEASUREMENT FOR CURRENT YEAR.--Apr. 13, 1989, 71.95 ft below land surface.

335806094100102. Local number, 09S30W23BDD2.
LOCATION.--33°58'06", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 2).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 195 ft, screened 175-195 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, February 1977, and June 1982 are available in files of district office.

UNION COUNTY

330107092432301. Local number, 19S16W35DDC1.
LOCATION.-Lat 33°01'07", long 92°43'23", Hydrologic Unit 08040206, at Junction City.
Owner: Junction City.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-8 in, depth 601 ft, cased 0-546 ft, screened 546-601 ft.
DATUM.--Land surface, 175 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in pipe, south side of pump base, 1.50 ft above land surface.
PERIOD OF RECORD.--November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 182.33 ft below land surface, Nov. 11, 1967; lowest, 220.98 ft below land surface, Apr. 7, 1988.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 4, 1989, 219.18 ft below land surface.

330228092111201. Local number,19S11W25AAA1.
LOCATION.--Lat 33°02'28", long 92°11'12", Hydrologic Unit 08040202, at Huttig (city well No. 2).
Owner: City of Huttig.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 529 ft, cased 0-469 ft, screened 469-529 ft.
DATUM.--Land surface, 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft above land surface.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.63 ft below land surface, Mar. 12, 1965; lowest, 138.39 ft below land surface, Apr. 10, 1985.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 4, 1989, 132.00 ft below land surface.

331358092424301. Local number, 17S16W24BDB1.
LOCATION.--Lat 33°13'58", long 92°42'43", Hydrologic Unit 08040201, at El Dorado (city well No. 17).
Owner: City of El Dorado.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-8 in, depth 615 ft, cased 0-493 ft, screened 493-615 ft.
DATUM.--Land surface, 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1972, August 1977, and June 1981 are available in files of district office.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 339.29 ft below land surface, Apr. 10, 1973; lowest, 367.88 ft below land surface, Apr. 12, 1989.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1989, 367.88 ft below land surface.

331438092411901. Local number, 17S15W18DBB1.
LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, near El Dorado (company detector well No. 8A).
Owner: Monsanto Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 540 ft, cased 0-520 ft, screened 520-540 ft.
DATUM.-Land surface, 182.93 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 269.70 ft below land surface, Apr. 20, 1956; lowest, 357.51 ft below land surface, July 30, 1966.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1989, 336.27 ft below land surface.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 20	332.29	Jan. 20	333.96	Apr. 20	336.40	June 20	336.43	Aug. 19	340.63
Nov. 19	329.33	Feb. 20	333.85	May 19	336.23	July 20	340.01	Sep. 20	346.19
Dec. 20	328.66	Mar. 21	333.87						

330855092505601. Local number 18S17W22BDD1.
LOCATION.--Lat 33°08'55", long 92°50'58', Hydrologic Unit 08040206, near Shuler.
Owner: H. G. McKennon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 705 ft, cased 0-605 ft, screened 605-705 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.20 ft above land surface.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft below land surface, Apr. 3, 1968; lowest, 347.75 ft below land surface, Sept. 30, 1987.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 4, 1989, 347.00 ft below land surface.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	348.49	347.94	347.79	347.29	347.28	347.07	347.09	346.69	346.42	346.87	348.82	351.11
10	348.39	348.06	347.62	347.42	347.39	347.25	347.11	346.80	346.46	347.27	349.25	351.46
15	348.40	347.83	347.63	347.37	347.24	347.13	346.91	346.70	346.43	347.49	349.53	351.90
20	348.18	347.84	347.51	347.43	347.03	347.10	346.91	346.61	346.51	347.71	349.86	352.39
25	348.15	347.73	347.48	347.31	347.27	347.13	346.88	346.50	346.58	348.19	350.24	352.67
EOM	348.11	347.74	347.31	347.16	347.14	347.00	346.85	346.65	346.65	348.50	350.65	352.96

WTR YR 1989 HIGH 346.29 JUN 8 LOW 352.96 SEP 30

WASHINGTON COUNTY

360509094224101. Local number, 16N32W09ABD1.
LOCATION.--Lat 36°05'09", long 94°22'41", Hydrologic Unit 11140109, at Lake Wedington.
Owner: U.S. Forrest Service.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,815 ft, cased 0-253 ft.
DATUM.--Land surface, 1,135 ft Ntional Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--May 1968, November 1971 to December 1975, May 1977 to April 1983, April 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.00 ft below land surface, May 24, 1968; lowest, 127.12 ft below land surface, Apr. 9, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 21, 1989, 126.52 ft below land surface.

WOODRUFF COUNTY

351657091203101. Local number, 08N03W31AAD1.
LOCATION.--Lat 35°16'57", long 91°20'31", Hydrologic Unit 08020302, near Augusta.
Owner: E. B. Conner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in, depth 110 ft, cased 0-80 ft, screened 80-110 ft.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.07 ft below land surface, Dec. 10, 1959; lowest, 22.94 ft below land surface, Sept. 26, 1963.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1989, 19.90 ft below land surface.

Analyses of samples collected statewide are given in the following tables. The analyses are grouped by counties.

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

GEOLOGIC UNIT	AQUIFER NAME	GEOLOGIC UNIT	AQUIFER NAME
218TRNT	TRINITY GROUP	124WLCX	WILCOX GROUP
124SPRT	SPARTA SAND	12405MP	500-FOOT SAND (MEMPHIS AQUIFER)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

CRITTENDEN COUNTY

350906090104201 - 06N09E07CAC1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	HYDROLOGIC UNIT CODE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG 23...	1115	80513	80020	124WLCX	08020203	75.00	208	7.2	25.5	240	61

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
AUG 23...	20	23	17	0.7	1.9	108	7.0	3.2	0.10	17	286

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BORON, DISSOLVED (UG/L AS B) (01020)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)
AUG 23...	200	0.39	<0.100	0.070	130	30	<0.5	<1	<5	<3

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
AUG 23...	<10	990	<10	5	110	<10	<10	<1.0	260	24

CROSS COUNTY

352231090421501 - 09N04E30DCA1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	HYDROLOGIC UNIT CODE	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG 22...	1700	80513	80020	12405MP	08020205	550	7.3	23.0	6	1.6	0.52

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

CROSS COUNTY--CONTINUED

352231090421501 - 09N04E30DCA1--CONTINUED

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
AUG										
22...	42	92	7	1.2	274	4.0	0.90	0.10	11	120

DATE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
AUG										
22...	226	0.16	<0.100	<0.010	30	50	<0.5	<1	<5	<3

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
AUG										
22...	<10	280	<10	10	22	<10	<10	<1.0	67	7

SEVIER COUNTY

335806094100102 - 09S30W23BDD2

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GEO- LOGIC UNIT	HYDRO- LOGIC UNIT CODE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
AUG										
21...	1600	80513	81213	218TRNT	11140109	60	6.4	25.0	14	3.3

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
AUG										
21...	1.4	3.8	34	0.4	1.4	2	<1.0	6.4	0.10	16

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
AUG										
21...	46	0.880	0.010	20	<10	<0.5	<1	<5	<3	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

SEVIER COUNTY--CONTINUED

335806094100102 - 09S30W23BDD2--CONTINUED

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
AUG 21...	20	<10	8	4	<10	10	<1.0	18	55

UNION COUNTY

331358092424301 - 17S16W24BDB1

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GEO- LOGIC UNIT	HYDRO- LOGIC UNIT CODE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
AUG 21...	1100	80513	80020	124SPRT	08040201	496	8.4	26.5	3	1.0

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
AUG 21...	0.17	100	98	24	1.0	187	<1.0	22	0.20	12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
AUG 21...	254	<0.100	0.220	9	120	<0.5	<1	<5	<3	<10

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
AUG 21...	19	<10	5	10	<10	<10	<1.0	34	18

00040380 (REVISED) NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.

LOCATION.--Lat 34°10'45", long 93°05'54", in NW¼NW¼ sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to August 1989.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain on-site precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Colorado 80523. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey. Additional data for the 1989 water year will be published in "Water Resources Data for Arkansas, Water Year 1990."

PRECIPITATION QUALITY, FEBRUARY 1988 TO AUGUST 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUC- TANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUC- TANCE LAB ATM DEP WET TOT (US/CM) (83156)
FEB 23, 1988- MAR 01	1500	300	17003	0.0	--	--	5.73	--	--
MAR 01-08	1500	300	17003	2.28	100	4.77	4.92	8.8	8.9
MAR 08-15	1700	300	17003	0.63	99	4.81	5.22	19.7	15.1
MAR 15-22	1500	300	17003	0.36	97	4.16	4.31	27.5	26.3
MAR 22-29	1500	300	17003	0.36	100	4.78	4.90	15.2	16.9
MAR 29- APR 05	1430	300	17003	2.13	98	5.08	5.14	7.2	8.2
APR 05-12	1400	300	17003	0.64	96	4.57	4.57	15.0	18.4
APR 12-19	1400	300	17003	1.50	101	4.42	4.70	21.6	19.0
APR 19-26	1400	300	17003	0.01	130	--	7.33	--	60.6
APR 26- MAY 03	1400	300	17003	0.22	98	4.09	4.15	41.9	44.4
MAY 03-10	1400	300	17003	0.55	90	4.65	5.05	20.0	14.8
MAY 10-17	1400	300	17003	0.0	--	--	5.52	--	2.6
MAY 17-24	1400	300	17003	1.65	100	4.59	4.58	16.0	18.0
MAY 24-31	1400	300	17003	0.0	--	--	5.50	--	2.3
MAY 31- JUN 07	1400	300	17003	1.44	100	4.54	4.46	15.2	19.8
JUN 07-14	1400	300	17003	0.0	--	--	5.59	--	3.0
JUN 14-21	1400	300	17003	0.51	100	4.14	4.26	34.0	28.0
JUN 21-28	1400	300	17003	0.18	97	4.70	4.70	11.3	11.8
JUN 28- JUL 05	1400	300	17003	0.60	97	4.39	4.29	24.0	28.9
JUL 05-12	1400	300	17003	1.96	99	4.62	4.63	9.7	13.5
JUL 12-19	1830	300	17003	0.14	108	4.64	4.67	11.6	11.4
JUL 19-26	1400	300	17003	0.11	98	4.27	4.51	25.2	19.5
JUL 26- AUG 02	1400	300	17003	0.38	88	4.02	4.22	26.0	31.2
AUG 02-09	1400	300	17003	0.26	107	4.12	4.18	29.3	30.7
AUG 09-16	1430	300	17003	1.01	100	4.49	4.38	13.2	20.1
AUG 16-23	1400	300	17003	2.22	98	4.62	4.56	10.9	16.0
AUG 23-30	1400	300	17003	1.25	99	4.58	4.55	14.0	16.9

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK --CONTINUED

PRECIPITATION QUALITY, FEBRUARY 1988 TO AUGUST 1989

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG-NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS-SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI-TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI-TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO-RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS-PHOROUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
FEB 23- MAR 01	--	--	--	--	--	--	--	--	--
MAR 01-08	0.070	0.008	0.012	0.043	0.240	0.52	0.07	1.13	<0.020
MAR 08-15	0.570	0.121	0.082	0.798	0.200	1.33	1.30	1.91	<0.020
MAR 15-22	0.240	0.023	0.027	0.087	0.270	2.52	0.14	2.08	<0.020
MAR 22-29	0.580	0.081	0.109	0.405	0.350	1.60	0.61	2.58	<0.020
MAR 29- APR 05	0.160	0.028	0.061	0.144	0.160	0.66	0.20	0.87	<0.020
APR 05-12	0.230	0.037	0.092	0.078	0.300	1.65	0.11	2.07	<0.020
APR 12-19	0.200	0.036	0.087	0.203	0.650	1.44	0.34	2.70	<0.020
APR 19-26	5.11	0.298	0.278	0.472	<0.080	3.83	0.73	6.41	<0.080
APR 26- MAY 03	0.600	0.058	0.043	0.199	0.520	2.45	0.41	5.27	<0.020
MAY 03-10	0.290	0.065	0.084	0.368	0.560	1.20	0.48	2.45	<0.020
MAY 10-17	0.040	0.003	0.009	0.041	<0.020	<0.03	0.06	0.07	0.020
MAY 17-24	0.110	0.018	0.057	0.056	0.350	1.32	0.13	2.12	<0.020
MAY 24-31	0.030	0.004	0.015	0.103	<0.020	<0.03	0.07	0.05	0.050
MAY 31- JUN 07	0.180	0.021	0.022	0.089	<0.020	1.38	0.15	2.07	<0.020
JUN 07-14	0.020	<0.003	0.007	0.372	<0.020	<0.03	0.06	<0.03	0.030
JUN 14-21	0.110	0.019	0.065	0.054	0.220	1.62	0.18	2.69	<0.020
JUN 21-28	0.150	0.021	0.003	0.172	<0.020	0.04	0.15	0.91	<0.020
JUN 28- JUL 05	0.220	0.029	0.006	0.157	<0.020	2.27	0.23	2.54	<0.020
JUL 05-12	0.090	0.022	<0.003	0.166	<0.020	0.35	0.26	1.30	<0.020
JUL 12-19	0.070	0.017	<0.003	0.172	<0.020	0.10	0.22	0.60	0.120
JUL 19-26	0.340	0.039	0.003	0.319	<0.020	1.79	0.25	1.40	<0.020
JUL 26- AUG 02	0.230	0.031	0.011	0.173	<0.020	2.34	0.24	2.85	0.110
AUG 02-09	0.090	0.017	0.006	0.100	0.070	1.55	0.09	2.73	0.030
AUG 09-16	0.050	0.013	0.008	0.071	<0.020	1.01	0.11	1.99	<0.020
AUG 16-23	0.120	0.009	0.010	0.036	0.300	1.36	0.04	1.47	<0.020
AUG 23-30	0.200	0.019	0.017	0.074	0.230	1.45	0.11	1.62	<0.020

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, FEBRUARY 1988 TO AUGUST 1989

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIP-ITATION FOR DEFINED PERIOD (IN) (00193)	COL-LECTOR EFFI-CIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUC-TANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUC-TANCE LAB ATM DEP WET TOT (US/CM) (83156)
AUG 30, 1988- SEP 06	1400	300	17003	2.16	99	4.93	4.80	5.4	7.8
SEP 06-13	1400	300	17003	0.21	76	4.84	4.89	9.5	9.5
SEP 13-20	1400	300	17003	0.42	100	4.55	4.45	19.7	22.8
SEP 20-27	1400	300	17003	0.07	101	4.54	4.63	21.3	22.6
SEP 27- OCT 04	1430	300	17003	4.20	96	4.74	4.65	9.6	11.5
OCT 04-11	1400	300	17003	0.05	111	4.05	4.12	43.9	42.1
OCT 11-18	1400	300	17003	0.11	98	4.48	4.84	24.8	21.3
OCT 18-25	1400	300	17003	2.50	97	4.66	4.50	11.8	15.7
OCT 25- NOV 01	1400	300	17003	1.14	98	4.80	4.69	8.4	10.6
NOV 01-08	1500	300	17003	0.0	--	--	7.09	--	45.6
NOV 08-15	1500	300	17003	1.81	102	5.00	4.95	7.7	7.3
NOV 15-20	1500	300	17003	7.97	93	4.98	4.86	6.4	8.7
NOV 20-22	0130	300	17003	0.02	122	--	5.67	--	6.8
NOV 22-29	1500	300	17003	3.20	96	4.92	4.95	8.1	7.7
NOV 29- DEC 06	1500	300	17003	0.0	--	--	--	--	--
DEC 06-13	1500	300	17003	0.55	87	4.19	4.19	30.6	33.6
DEC 13-20	1500	300	17003	0.0	--	--	7.01	--	--
DEC 20-27	1500	300	17003	0.70	98	4.70	4.70	12.9	14.5
DEC 27 1988- JAN 03 1989	1500	300	17003	2.30	100	4.88	4.93	7.4	7.6
JAN 03-10	1500	300	17003	0.72	99	4.51	4.61	18.7	18.0
JAN 10-17	1500	300	17003	1.63	111	4.63	4.64	11.0	12.3
JAN 17-24	1500	300	17003	0.0	--	--	6.74	--	4.7
JAN 24-31	1500	300	17003	1.16	102	4.51	4.51	19.3	19.9
JAN 31- FEB 07	1500	300	17003	2.35	100	4.97	5.04	5.0	5.7
FEB 07-14	1500	300	17003	2.37	98	4.59	4.62	15.1	15.6
FEB 14-21	1500	300	17003	4.41	94	4.51	4.48	17.0	18.3
FEB 21-28	1500	300	17003	1.51	97	4.24	4.29	29.1	30.8
FEB 28- MAR 07	1500	300	17003	1.55	98	4.85	5.38	13.2	11.9
MAR 07-14	1500	300	17003	0.0	--	--	5.50	--	1.7
MAR 14-21	1500	300	17003	0.63	100	4.62	4.77	16.2	15.3
MAR 21-28	1500	300	17003	1.84	102	4.94	5.01	10.1	9.0
MAR 28- APR 04	1500	300	17003	4.30	99	5.24	5.21	6.1	7.0
APR 04-11	1400	300	17003	0.0	--	--	7.03	--	58.6
APR 11-18	1400	300	17003	0.35	--	4.50	4.65	16.4	14.0
APR 18-25	1400	300	17003	--	--	4.50	4.46	19.1	21.3
APR 25- MAY 02	1400	300	17003	1.36	97	4.70	4.76	13.8	12.3

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, FEBRUARY 1988 TO AUGUST 1989

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG-NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS-SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI-TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI-TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO-RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS-PHOROUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
AUG 30- SEP 06	0.020	0.003	0.006	0.033	<0.020	<0.03	0.04	0.71	0.020
SEP 06-13	0.080	0.022	0.037	0.171	0.100	0.73	0.19	1.01	0.080
SEP 13-20	0.250	0.061	0.053	0.574	0.050	0.24	0.83	2.41	<0.020
SEP 20-27	0.560	0.059	0.049	0.423	0.690	2.40	0.42	3.15	0.120
SEP 27- OCT 04	0.040	0.004	0.007	0.030	0.150	0.79	0.06	0.86	<0.020
OCT 04-11	0.840	0.081	0.041	0.208	0.090	4.56	0.27	3.37	0.030
OCT 11-18	0.640	0.098	0.061	0.645	0.640	2.31	0.86	3.33	<0.020
OCT 18-25	0.130	0.014	<0.003	0.072	0.120	0.82	0.12	1.66	<0.020
OCT 25- NOV 01	0.100	0.008	<0.003	0.035	0.070	0.86	0.08	0.95	<0.020
NOV 01-08	--	--	--	--	--	--	--	--	--
NOV 08-15	0.090	0.023	0.129	0.141	0.040	0.44	0.23	0.88	<0.020
NOV 15-20	0.070	0.031	0.020	0.250	0.060	0.35	0.45	0.80	<0.020
NOV 20-22	0.080	0.012	0.003	0.412	0.280	1.53	0.17	0.31	<0.020
NOV 22-29	0.100	0.020	0.070	0.134	<0.020	<0.03	0.23	0.87	<0.020
NOV 29- DEC 06	--	--	--	--	--	--	--	--	--
DEC 06-13	0.210	0.021	0.017	0.103	0.270	2.34	0.24	3.10	<0.020
DEC 13-20	--	--	--	--	--	--	--	--	--
DEC 20-27	0.190	0.037	0.029	0.260	0.260	0.78	0.43	1.95	<0.020
DEC 27 1988- JAN 03 1989	0.080	0.016	0.010	0.112	0.090	0.42	0.21	0.85	<0.020
JAN 03-10	0.180	0.039	0.040	0.275	0.360	0.98	0.40	2.43	<0.020
JAN 10-17	0.080	0.009	0.010	0.037	0.090	0.83	0.08	1.15	<0.020
JAN 17-24	<0.010	<0.003	<0.003	0.025	<0.020	0.04	<0.03	<0.03	0.050
JAN 24-31	0.190	0.054	0.042	0.396	0.200	1.16	0.67	2.08	<0.020
JAN 31- FEB 07	0.040	0.010	0.010	0.080	0.050	0.34	0.11	0.53	<0.020
FEB 07-14	0.090	0.043	0.028	0.340	0.230	0.75	0.54	1.64	<0.020
FEB 14-21	0.080	0.025	0.036	0.177	0.210	0.96	0.31	1.96	<0.020
FEB 21-28	0.220	0.063	0.031	0.440	0.440	2.24	0.67	3.18	<0.020
FEB 28- MAR 07	0.880	0.044	0.086	0.154	0.250	0.89	0.24	2.63	<0.020
MAR 07-14	0.020	<0.003	0.009	0.060	<0.020	<0.03	0.05	<0.03	0.080
MAR 14-21	0.250	0.040	0.053	0.247	0.470	1.39	0.34	1.94	<0.020
MAR 21-28	0.130	0.030	0.057	0.154	0.180	0.74	0.25	1.01	<0.020
MAR 28- APR 04	0.180	0.027	0.078	0.123	0.160	0.55	0.18	0.93	<0.020
APR 04-11	--	--	--	--	--	--	--	--	--
APR 11-18	0.050	0.012	<0.003	0.130	0.400	0.81	0.07	2.00	<0.020
APR 18-25	0.150	0.031	0.054	0.116	0.550	1.73	0.13	2.44	<0.020
APR 25- MAY 02	0.220	0.024	0.030	0.077	0.220	1.31	0.10	1.26	<0.020

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, FEBRUARY 1988 TO AUGUST 1989

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUC- TANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUC- TANCE LAB ATM DEP WET TOT (US/CM) (83156)
MAY 1989 02-09	1400	300	17003	1.78	100	4.64	4.65	14.2	16.0
MAY 09-16	1400	300	17003	1.16	98	4.47	4.49	20.4	22.6
MAY 16-23	1800	300	17003	1.57	98	4.93	4.94	11.0	12.4
MAY 23-30	1400	300	17003	0.82	98	4.54	4.44	19.2	22.5
MAY 30- JUN 06	1400	300	17003	1.23	101	4.84	4.98	10.7	10.9
JUN 06-13	1400	300	17003	1.68	99	4.72	4.66	11.7	13.9
JUN 13-20	1400	300	17003	0.50	94	4.78	4.65	13.2	16.0
JUN 20-27	1400	300	17003	0.21	97	4.33	4.33	25.4	27.6
JUN 27- JUL 04	1400	300	17003	2.77	102	5.05	5.09	6.2	5.7
JUL 04-11	1400	300	17003	1.27	104	4.37	4.38	20.2	27.6
JUL 11-18	1400	300	17003	4.81	95	--	--	--	--
JUL 18-25	1400	300	17003	3.28	97	5.67	5.53	9.6	10.6
JUL 25- AUG 01	1430	300	17003	0.50	109	4.41	4.41	18.4	21.0
AUG 01-08	1400	300	17003	0.37	97	6.04	6.45	6.2	8.1
AUG 08-15	1400	300	17003	0.0	--	--	--	--	--

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG- NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS- SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI- TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI- TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO- RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS- PHOROUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
MAY 02-09	0.170	0.023	0.022	0.091	0.360	1.58	0.14	1.58	<0.020
MAY 09-16	0.310	0.049	0.057	0.180	0.560	1.91	0.29	2.50	<0.020
MAY 16-23	0.340	0.035	0.082	0.183	0.360	1.51	0.35	1.30	<0.020
MAY 23-30	0.240	0.060	0.052	0.393	0.300	1.44	0.61	2.15	<0.020
MAY 30- JUN 06	0.080	0.034	0.054	0.219	0.200	<0.03	0.36	1.17	<0.020
JUN 06-13	0.120	0.030	0.023	0.189	0.160	1.04	0.34	1.17	<0.020
JUN 13-20	0.160	0.049	0.035	0.312	0.220	1.55	0.48	1.27	<0.020
JUN 1989 20-27	0.140	0.029	0.052	0.237	0.380	2.40	0.26	2.28	<0.020
JUN 27- JUL 04	0.020	0.013	0.017	0.081	0.120	0.41	0.14	0.50	<0.020
JUL 04-11	0.090	0.051	0.481	0.052	0.540	1.61	0.15	3.14	0.120
JUL 11-18	--	--	--	--	--	--	--	--	--
JUL 18-25	0.190	0.041	0.105	0.165	0.120	1.02	0.20	1.63	<0.020
JUL 25- AUG 01	0.050	0.014	0.019	0.061	0.160	1.39	0.14	1.45	<0.020
AUG 01-08	0.050	0.014	0.787	0.095	0.550	0.34	0.29	0.52	0.080
AUG 08-15	--	--	--	--	--	--	--	--	--

Page

Alum Fork at Crows....469,479
Antoine River at Antoine 413
Archey Creek at Clinton....463,476
Arkansas River at Dam No. 2, near Gillett 328
  at Dam No. 9, near Oppelo 292
  at Dardanelle 271
  at David D. Terry Lock and Dam, below
      Little Rock 315
  at James W. Trimble Lock and Dam, near
      Van Buren 254
  at Lock and Dam 4 near Pine Bluff 319
  at Lock and Dam 5 near Wright 317
  at Murray Dam, at Little Rock 312
  at Ozark Dam at Ozark 260
  at Toad Suck Ferry Dam, near Conway 297
  at Van Buren 251

Baron Fork at Dutch Mills 239
Bayou Bartholomew at Garrett Bridge 445
  near Ladd 443
  near Mcgehee 446
Bayou De L'outre near El Dorado.... 479
Bayou De Loutre near El Dorado 447
Bayou Deview at Morton 214
  near Gibson 212
Bayou Dorcheat at Buckner.... 466
  near Taylor 389
Bayou Lapile at Strong....470,479
Bayou Macon at Eudora 452
Bayou Meto near Bayou Meto 326
  near Jacksonville 323
  near Lonoke 325
  near North Little Rock 321
Bayou Two Prairie near Furlow.... 457
Bayou de L'Outre near El Dorado.... 470
Bear Creek near Horatio 346
  near Marshall....460,474
  near Omaha....460,473
  near Royal.... 457
Beaver Lake at Highway 12 Bridge near Rogers.... 485
  at Highway 68 Bridge near Sonora.... 481
  at Monte Ne.... 484
  at Rogers Water Intake near Lowell.... 483
  at War Eagle.... 482
  near Avoca.... 487
  near Eureka Springs 82
  on Prairie Creek near Rogers.... 486
Bell Creek near Hollywood.... 458
Big Creek at Goodwin.... 455
  at Poplar Grove 220
  at Poyen....469,479
  near Big Flat....461,474
  near Boydsville.... 463
  near Crow.... 458
  near Jonesboro....455,463,476
  near Letona.... 463
  near Pangburn....463,476
  near Pansy 438,470
  near Pine Bluff.... 470
  near Sheridan 436
  tributary near Boydsville.... 454
Big Piney Creek at Highway 164 near Dover 267
  near Dover 266
Big Shoal Creek near New Blaine....465,477
Black River at Black Rock 170
  at Clearwater Dam, MO 155
  at Elgin Ferry.... 454
  at Pocahontas 159,453
  below Annapolis, MO.... 519
  near Corning, Ar 156
Blue Mountain Lake at Ashley Creek
      near Waveland.... 531
  at Sugar Grove.... 529
  at The Narrows.... 528
  near Sugar Grove.... 530
  near Waveland 282
Blue Spring near Eureka Springs....459,473
Boat Gunwale Slash near Holly Grove 218
Bodcau Creek near Lewisville 391
  northwest of Stamps.... 466
Bois D'arc Creek near Hope.... 477
Bois d'Arc Creek near Hope.... 466
Brogan Creek near Rover.... 456
Brown Creek near Lacey.... 470
Brush Creek near Mammoth Spring.... 454
Buffalo River at Pruitt....460,474
  near Rush....460,474
  near St. Joe 125
Bull Shoals Lake above Pine Branch at
      Indian Point.... 506
  at Forsyth, MO.... 495
  at Highway 160 near Theodosia, MO.... 505
  at Jimmie Creek near Bull Shoals.... 507
  below Big Music Creek near Midway (Fish Pens). 498
  below Big Music Creek near Midway (Log Boom).. 501
  below Big Music Creek near Midway (Mouth)..... 503
  near Buck Creek.... 497
  near Flippin 110

Bull Shoals Lake on Fox Creek near ARK-MO
  State Line.... 496
  on Howard Creek near Lakeview.... 508
Butler Creek near Sulphur Springs 225

Cache River at Egypt 200
  at Patterson 201
  near Cotton Plant 208
Caddo River at Caddo Gap....467,478
  near Amity 405
  near Caddo Gap 402
Cadron Creek near Conway.... 456
  near Guy 296
Camp Creek near Smackover.... 468
Caney Creek at Southside....461,474
  near Bluff City.... 468
  tributary near El Dorado.... 458
Cedar Creek near Rudy.... 465
Champagnolle Creek at Hampton.... 468
Chickalah Creek at Chickalah 290
Choctaw Creek tributary near Choctaw.... 454
Clark Corner Cutoff near Colt, Ark 62
Clear Creek at Johnson 231
Clearwater Lake above Finley Branch, MO.... 520
  at Carter Hollow, MO.... 521
  at Clearwater Dam, MO 151
  near Carter Spring on Webb Creek, MO.... 521
Cockle Burr Slough Ditch near Monette 48
Cornie Bayou near Three Creeks 449
Cossatot River below Gillham Dam near Gillham .. 362
  near DeQueen.... 457
  near Umpire 354
  near Vandervoort 351
Cove Creek near Lee Creek....455,464,477
Crooked Creek at Harrison 118,460,473
  at Pyatt....460,473
  at Yellville 122,460,474
  near Harrison 120
Cross County Ditch near Birdeye 56
Curia Creek near Dowdy....463,476
Current River near Pocahontas 157
Cypress Creek at Manning....467,478

Days Creek Southeast of Texarkana 385,478
Days Creek southeast of Texarkana.... 466
Deep Bayou near Grady.... 458
Dequeen Lake at Bellah Creek near Kellum.... 537
  at Robinson Creek near Gillham.... 535
  near Dequeen 339
Derrieusseaux Creek near Grapevine....458,469
  near Rison.... 469
Devils Fork Little Red River Nr
      Brownsville, Ar 476
Devils Fork Little Red River near Brownsville... 463
Dierks Lake at Camp Creek near Burg.... 543
  at Hose Creek near Lebanon, Ark.... 544
  near Dierks 365
Diles Creek near Dalton....462,475
Dill Branch tributary near Ida.... 454
Dillard Creek near Nashville.... 457
Dota Creek near Newark....463,476
Dry Creek near Green Forest.... 453
Dunn Creek near Hampton.... 458
Dutch Creek at Shark 287
  at Waltreak.... 456

East Fork Cadron Creek near Enola....466,477
East Fork Point Remove Creek tributary near
      Saint Vincent.... 456
East Lafferty Creek near Cushman.... 461
East Sugarloaf Creek tributary near Lead Hill... 453
East(Little)Lafferty Creek near Cushman.... 474
Eleven Point River near Pocahontas 168,462,475
  near Ravenden Springs 167
Estimated ....
Evansville Creek at Evansville....464,476

Ferguson Creek near Ravenden.... 454
Flint Creek at Springtown 237
  near West Siloam Springs, Okla. 238
Ford Spring near Bentonville....464,476
Fourche A'loupe Creek near Hot Springs.... 478
Fourche Creek at Little Rock....466,477
  at Red Gate.... 456
Fourche LaFave River near Aplin.... 456
  near Houston.... 456
  near Nimrod.... 456
  tributary near Perryville.... 456
Fourche Lafave River near Gravelly 299
  near Nimrod 306
Fourche River above Pocahontas....461,475
  near Pocahontas....461,475
Fourche a'Loupe Creek near Hot Springs.... 467
Francois Creek north of Poyen....469,479
Freeo Creek near Eagle Mills, Ark.... 468
Frog Bayou at Rudy.... 455

Gafford Creek near Bluffton.... 466

Page

Gillham Lake (Opossum Ck. Arm) near Duckett..... 539
  above Coon Creek near Dierks..... 540
  at Duckett Ford near Umpire..... 538
  near Gillham 356
Glaise Creek near Bradford..... 454
Glazypeau Creek at Mountain Pine.....467,478
Grassy Flat Creek at Little Rock..... 457
Gray Spring near Yellville.....460,474
Greers Ferry Lake above Mill Creek..... 523
  at Brush Creek..... 522
  at Higden..... 526
  near Choctaw..... 525
  near Clinton..... 524
  near Eden Isle..... 527
  near Heber Springs 182
Ground-water levels (by counties)
  Arkansas 550
  Ashley 551
  Benton 551
  Calhoun 552
  Chicot 552
  Clay 553
  Cleveland 553
  Columbia 554
  Craighead 554
  Crittenden 555
  Cross 556
  Dallas 557
  Desha 557
  Drew 558
  Fulton 559
  Greene 559
  Hempstead 560
  Jackson 560
  Jefferson 560
  Lafayette 561
  Lee 562
  Little River 562
  Lonoke 563
  Miller 563
  Mississippi 563
  Monroe 564
  Nevada 565
  Ouachita 565
  Phillips 566
  Poinsett 567
  Prairie 567
  St. Francis 567
  Sevier 568
  Union 568
  Washington 569
  Woodruff 569
Ground-water quality data (by counties)
  Crittenden 570
  Cross 570
  Sevier 571
  Union 572
Gulpha Creek near Hot Springs.....467,478
Gum Creek near Stephens..... 468

Hicks Creek near Mountain Home 128
Holly Creek at Dierks 374
  east of Dierks 372
Holman Creek near Huntsville 80
Horsehead Creek at Hartman.....465,477
Hudgin Creek near Pansy..... 470
Hughes Creek near Mountain View.....461,474
Hurricane Creek near Ico.....469,479
  near Sardis 433
  near Sheridan 435

Illinois Bayou near Dover 269
  near Scottsville..... 455
Illinois River at Savoy 229,464,476
  near Pedro.....464,476
  near Siloam Springs 235,464,476
Irons Fork near Aly..... 467
Isabell Creek at Oak Grove..... 456

James Fork near Hackett 247
Janes Creek at Ravenden Springs.....462,475
Jug Creek near Fordyce 423

Kings River near Berryville 95,453
  near Kingston.....459,473
  near Pleasant Valley.....459,473

L'Aigle Creek at Hermitage..... 470
  tributary near Hermitage..... 458
L'Eau Frais Creek at Joan..... 467
L'Eau Frais at Joan..... 457
L'anguille River at Marianna 72
  near Colt 66
L'eau Frais Creek at Joan..... 478
Lake Taneycomo at Branson, MO..... 494
Lee Creek at Natural Dam.....464,477
  near Lee Creek..... 455
  near Short, Okla 477

Page

Lee Creek near Short, Okla..... 464
  near Van Buren 250
Lewis Creek tributary near Mena..... 457
Little Blocker Creek near Langley..... 457
Little Buffalo River at Jasper.....460,474
Little Chickalah Creek at Chickalah.....465,477
Little Cornie Bayou near Junction City.....470,479
Little Lee Creek near Short, Okla 477
  near Short, Okla..... 464
Little Maumelle River at Pinnacle.....466,477
Little Missouri River near Boughton 414
  near Langley 407,457
Little Mulberry Creek near Mulberry..... 465
  near Oark..... 465
Little Osage Creek near Healing Springs.....464,476
Little Piney Creek near Lamar.....455,465,477
Little Red River above Searcy 191
  below Searcy 193
  near Heber Springs 189,454
  near Searcy, Ark 190
Little River at Millwood Dam, near Ashdown 382
  near Horatio 348
  near Wilton..... 541
Little Terre Rouge Creek near Emmet..... 468
Locust Bayou at Locust Bayou..... 468
Long Creek at Alpena.....460,473
  near Denver 97

MISSISSIPPI RIVER MAIN STEM

Mammoth Spring at Mammoth Spring, Ar 161
Maniece Bayou near Canfield.....466,476
Martins Creek near Williford.....462,475
Maumelle River at Williams Junction..... 466
Mazarn Creek near Pearcy.....467,478
McKinney Bayou near Garland..... 466
McKisic Creek near Bella Vista..... 463
Mckisic Creek near Bella Vista..... 476
  tributary near Bentonville 223
Middle Fk. White River Nr. Fayetteville..... 473
Middle Fork Illinois Bayou near Hector.....465,477
Middle Fork Little Red River at Leslie..... 463
  at Shirley..... 454
  near Shirley 179
Middle Fork White River near Fayetteville..... 459
Middle Fork at Crows.....469,479
Mill Creek at Evening Shade.....462,475
  at Fort Smith..... 455
  near Holly Springs..... 458
  near Melbourne 143
Millwood Lake at Highway 332 Bridge near Schaal. 545
  at Yarborough Landing near Ashdown..... 542
  near Ashdown 377
  near Saratoga..... 547
  on Mine Creek, near Okay..... 546
Minnow Creek tributary near Hagerville..... 455
Mississippi River at Memphis, TN 30
  near Arkansas City 330
Moro Creek near Banks 425,469
  near Fordyce..... 458
Mountain Fork Creek at Natural Dam.....464,477
Mountain Fork near Hatfield 337
Mud Creek near Ingram.....461,475
Muddy Fork Creek near Murfreesboro.....467,478
Muddy Fork Illinois River near Savoy.....464,476
Mulberry River at I-40 near Mulberry 258
  near Cass..... 465
  near Mulberry 257
  near Oark.....455,465
Murray Creek near Jonesboro..... 453
Myatt Creek near Salem.....462,475

Nevins Creek tributary near Pine Bluff..... 458
Nimrod Lake at Highway 27 Bridge..... 532
  at Plainview..... 532
  near Carter Cove..... 535
  near Nimrod 302
  near Wards Crossing..... 533
  on Prairie Creek..... 534
Norfork Lake at Henderson..... 512
  near Hand..... 514
  near Norfork 132
  near Udall, MO..... 510
  on Fall Creek..... 513
  on Pigeon Creek near Mountain Home..... 511
North Big Creek near Evening Shade.....462,475
North Fork Illinois Bayou near Scottsville.....465,477
North Fork Ozan Creek above Mccaskill..... 478
  near McCaskill..... 467
North Fork River at Norfork Dam, near Norfork .. 139
  at Tecumseh, MO..... 509
North Fork at Paron..... 469
  near Benton.....469,479
North Sylamore Creek near Allison.....461,474
  near Fifty Six, Ar 145

Osage Creek Southwest of Berryville 91,473
Osage Creek at Osage.....453,460

Page

Osage Creek near Elm Springs 233,464,476
  southwest of Berryville.... 460
  west of Berryville 93
Ouachita River at Camden 416
  below Camden 419
  near Donaldson 400
  near Malvern 398
  near Mount Ida 395
Ozan Creek near McCaskill.... 467
  near Mccaskill.... 478

Pack Saddle Creek tributary near Waldron.... 456
Petit Jean River at Danville 289
  near Booneville 280,456
  near Centerville.... 456
  near Waveland 286,456
Pigeon Roost Creek at Butlerville.... 454
Piney Creek near Calico Rock....461,474
Piney Fork near Evening Shade.... 454
Polk Bayou at Batesville....461,474
Pope Creek tributary at Birdeye.... 453
Post Oak Creek near Rector.... 459
Poteau River at Cauthron 246
  at Waldron 242
  northwest of Waldron 244
Prairie Creek at Murfreesboro 409
  near Mena 393
  near Murfreesboro 411,467,478
Prairie Cypress Creek near Cross Roads 221

Red River at Index 334
  near Foreman 332
  near Spring Bank 387
Reeds Creek near Strawberry....463,475
Richland Creek at Goshen....459,473,480
Right Hand Chute of Little River at Rivervale .. 49
Rock Creek at Little Rock.... 457
  near Glenwood.... 457
Rolling Fork below Dequeen Lake near Dequeen ... 345
  near DeQueen.... 457

Salado Creek near Pleasant Plains....461,474
Saline River Southeast of Warren.... 479
Saline River at Benton.... 458
  below Dierks Dam, near Dierks 371
  near Burg 363
  near Dierks.... 457
  near Fountain Hill 441
  near Leola....469,479
  near Lockesburg 376
  near Rye 440
  near Shaw 429
  near Sheridan 431,458
  southeast cf Warren.... 470
  west of Benton 427
Second Creek near Palestine 70
Shoal Creek near New Blaine.... 455
Short Mountain Creek north of Paris 264
  west of Paris 262
Smackover Creek near Smackover 420
  north of Smackover 421
South Big Creek near Strawberry....462,475
South Fork Caddo River at Fancy Hill 403
South Fork Little Red River at Clinton, Ar 181
South Fork Ouachita River at Mount Ida....467,478
South Fork Ozan Creek near Ozan.... 457
South Fork Saline River at Nance....469,479
South Fork Spring River at Saddle 162
  near Hardy....462,475
  near Salem....462,475
South Fork near Hot Springs....469,479
South Fourche Lafave River at Hollis 307
  near Hollis 309
South Sylamore Creek at Allison....461,474
Spadra Creek at Clarksville....455,465,477
Spavinaw Creek near Cherokee City 227
Spring Creek near Batesville....461,474
  near Belleville.... 465
Spring River at Imboden, Ar 166
  at Ravenden 164
  near Hardy....462,475
St. Francis Bay at Riverfront, Ark 58

Page

St. Francis River Floodway near Marked Tree 54
St. Francis River at Fisk, MO 34
  at Holly Island 44
  at Lake City 46
  at Madison 63
  at Parkin 51
  at St. Francis 38
  near Glennonville, MO 36
  near Piggott 43
Stone Dam Creek near Conway 310
Strawberry River near Evening Shade....462,475
  near Franklin....462,475
  near Poughkeepsie 173
  near Smithville 174
  near Strawberry....463,476
Sulphur River south of Texarkana 383
Sunnymede Creek at Fort Smith.... 455

Table Rock Lake (James River Arm) at Cape
    Fair, MO.... 491
  (James River Arm) near Kimberling City, MO.... 492
  (Kings River) near Carr Lane, MO.... 489
  (Long Creek Arm) near Ridgedale, MO.... 493
  near Branson, MO 99
  near Eagle Rock, MO.... 488
  near Lampe, MO.... 490
Tenmile Creek near Central....467,478
Terre Noire Creek near Gurdon....468,479
  near Hollywood.... 468
Terre Rouge Creek near Prescott....468,478
  northeast of Hope....468,478
Tulip Creek east of Pine Grove....468,479
Two Bayou at Camden.... 468

Valley Creek near Point Cedar.... 457
Village Creek at Walnut Ridge....463,476

War Eagle Creek near Hindsville.... 453
  near Huntsville.... 459
Warm Fork Creek at Rockhouse.... 459
Wattensaw Bayou near Hazen 195
Webber Creek tributary near Cedarville.... 455
West Fork Point Remove Cr Nr Hattieville.... 477
West Fork Point Remove Creek near Hattieville...456,466
West Fork White River at Greenland....459,473
  east of Fayetteville 74
West Lafferty Creek near Cushman.... 461
West Sugarloaf Creek near Lead Hill....460,473
West(Big) Lafferty Creek near Cushman.... 474
Whig Creek near Dardanelle 278
White Oak Creek near Ozark.... 465
  near atkins 294
White River above Lock and Dam 3, near
    St. James.... 516
  at Batesville.... 518
  at Batesville, Ark 148
  at Beaver Dam, near Eureka Springs 90
  at Bull Shoals Dam, near Flippin 117
  at Calico Rock, Ar 140
  at Combs....459,473
  at Devalls Bluff 197
  at Elkins....459,473
  at Georgetown.... 454
  at Lock and Dam 2, near Locust Grove.... 517
  at Newport 176
  at Oil Trough 149
  at St. Charles 216
  below Table Rock Dam, near Branson, MO 109
  near Augusta.... 454
  near Fayetteville, Ark 76
  near Flippin.... 453
  near Goshen 77
  near Norfork 130
Whitener Branch tributary near Spring Valley.... 453
Whitewater Creek near Tinsman.... 469
Whitten Branch near Bodcau, Ark.... 466
Wilhelmina Cutoff near Campbell, MO 37
Willow Ditch near Egypt.... 455
Wolf Creek near Antoine....468,478

Yocum Creek near Oak Grove....460,473

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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